



Annotated checklist of the Hemiptera Heteroptera  
of the Site of Community Importance and Special  
Area of Conservation “Alpi Marittime” (NW Italy)

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*Eurydema fieberi* Fieber, 1837. Photo: S. Bambi.

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Diffusion – Publications scientifiques Muséum national d'Histoire naturelle  
CP 41 – 57 rue Cuvier F-75231 Paris cedex 05 (France)  
Tél. : 33 (0)1 40 79 48 05 / Fax : 33 (0)1 40 79 38 40  
[diff.pub@mnhn.fr](mailto:diff.pub@mnhn.fr) / <http://sciencepress.mnhn.fr>

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ISSN (imprimé / *print*): 1280-9551/ ISSN (électronique / *electronic*): 1638-9387



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Submitted on 10 January 2018 | accepted on 28 September 2018 | published on 9 July 2019

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[urn:lsid:zoobank.org:pub:6B6BCC2F-9968-4D52-AA99-C24BAF56C360](https://doi.org/10.5252/zoosystema2019v41a15)

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Norbiato M., Dioli P. & Cianferoni F. 2019. — Annotated checklist of the Hemiptera Heteroptera of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (NW Italy). *Zoosystema* 41 (15): 269-312. <https://doi.org/10.5252/zoosystema2019v41a15>. <http://zoosystema.com/41/15>

## ABSTRACT

We provide the first annotated checklist of the Heteroptera (Insecta: Hemiptera) of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (IT1160056), based on literature records and unpublished material collected between 2012-2015 within two European projects in which the Alpi Marittime Nature Park was involved. The literature review provided a list of 62 species, recorded for the study area between 1884 and 1990, scattered in 14 papers. The new data here provided raise the total number of species occurring in this region to 208, grouped in 25 families and 135 genera. For each species reported in the catalogue, previous literature records, new data and the known distribution are provided. Among the most interesting findings, *Salda henschii* (Reuter, 1891) which was recently recorded for the first time in Italy, and *Sternodontus obtusius* Mulsant & Rey, 1856 which is rediscovered in the Piedmont region after more than a half century.

## KEY-WORDS

Heteroptera,  
Maritime Alps,  
SW-Alps,  
Piedmont,  
Italy,  
faunistics,  
new records.

## RÉSUMÉ

*Liste commentée des Hemiptera Heteroptera du Site d'importance communautaire et Zone spéciale de conservation «Alpi Marittime» (Nord Ouest de l'Italie).*

La première liste raisonnée des Hétéroptères du Site d'Importance Communautaire et Zone spéciale de Conservation «Alpi Marittime» (IT1160056) est fournie, basée à la fois sur les données de la littérature et sur du matériel inédit récolté pendant la période 2012-2015 dans le cadre de deux projets européens dans lesquels le Parc naturel des «Alpi Marittime» était impliqué. La recherche

**MOTS CLÉS**  
Heteroptera,  
Alpes Maritimes,  
Alpes nord-occidentales,  
Piémont,  
faunistique,  
signalisations nouvelles.

**PAROLE CHIAVE**  
Heteroptera,  
Alpi Marittime,  
Alpi nord-occidentali,  
Piemonte,  
faunistica,  
nuove segnalazioni.

bibliographique a permis de lister 62 espèces sur la zone d'étude, signalées entre 1884 et 1990 dans 14 publications. Les nouvelles données font passer le nombre des espèces connues à 208, regroupées en 25 familles et 135 genres. Pour chaque espèce mentionnée dans le catalogue sont incluses les données bibliographiques, les nouvelles signalisations et la distribution géographique connue. Parmi les découvertes les plus intéressantes, on peut citer *Salda henschii* (Reuter, 1891), récemment signalée pour la première fois en Italie et *Sternodontus obtusus* Mulsant & Rey, 1856, qui n'avait pas été retrouvée dans le Piémont depuis plus d'un demi-siècle.

#### RIASSUNTO

*Checklist ragionata degli Hemiptera Heteroptera del Sito di Importanza Comunitaria e Zona Speciale di Conservazione "Alpi Marittime" (Italia Nord Occidentale).*

Viene fornita la prima checklist ragionata degli eterotteri del Sito di Importanza Comunitaria e Zona Speciale di Conservazione "Alpi Marittime" (IT1160056), basata sia su dati di letteratura che su materiale inedito raccolto nel periodo 2012-2015 nell'ambito di due progetti europei in cui il Parco Naturale delle Alpi Marittime era coinvolto. La ricerca bibliografica ha consentito di elencare 63 specie per l'area di studio, segnalate tra il 1884 e 1990 e suddivise in 14 pubblicazioni. I nuovi dati riportati fanno salire il numero di specie conosciute a 208, appartenenti a 25 famiglie e 135 generi. Per ogni specie inserita nel catalogo vengono forniti dati bibliografici, nuove segnalazioni e distribuzione geografica. Tra le specie più interessanti, *Salda henschii* (Reuter, 1891), recentemente segnalata per la prima volta in Italia, e *Sternodontus obtusus* Mulsant & Rey, 1856, ritrovato in Piemonte dopo più di mezzo secolo.

## INTRODUCTION

The Maritime Alps region has been defined as a key area for understanding the dynamics that have shaped the fauna of the Italian peninsula as well as that of western Europe in general, and this is due to the peculiar faunistic diversity (Minelli *et al.* 2006). The reason for this extraordinary biodiversity is related to the particular biogeographical frame in which the area is located, between the mountain systems of Piedmont and Liguria regions and the Mediterranean Sea, straddling the border between the Mediterranean, Alpine and continental zones. In the NW part of Italy, the mountain chain peaks are located close to the seaside and this fact contributes to create very steep ecological gradients both in the northern Ligurian maritime slope and in the southern Piedmontese continental one. Moreover, the wide altitudinal range (650 to 3297 m a.s.l.) and the geological and glacial history of the area contribute significantly in making the Maritime Alps one of the most important European hot spots of biodiversity (Bonelli *et al.* 2015, Isaia *et al.* 2015). The Maritime Alps, the southernmost part of the Alpine chain, divide the Piedmontese plains from the Côte d'Azur and are between two very popular crossings since antiquity: the Colle di Tenda and the Colle della Maddalena. Both sides of the Maritime Alps are subject to protection: actually, on the French side, there is the Mercantour National Park; on the Italian side, the Alpi Marittime Nature Park. The two Parks border over 35 kilometers and together form a protected area of over 100 000 hectares.

In the four-year period 2012-2015, different entomological research has been carried out, mainly by the first author, in the Site of Community Importance (SCI) and Special Area of Conservation (SAC) "Alpi Marittime" (IT1160056). Most

of the material was collected within the framework of two different European projects. The "ATBI + M" (All Taxa Biodiversity Inventory + Monitoring) project, coordinated by the European Distributed Institute of Taxonomy (EDIT), funded in 2006 in the frame of the Sixth Framework Programme of the European Commission (Deharveng *et al.* 2015; Villemant *et al.* 2015). All Taxa Biodiversity Inventories (ATBI) are intensive community efforts to identify and record all living species that exist within a given area. The second was the Interreg ALCOTRA 2007-2013 "Gestione comune del paesaggio transfrontaliero delle Alpi Meridionali" ("Joint development of the cross-border landscape of the Southern Alps"). Further material from other collectors was also added.

This contribution represents the results of the research conducted mainly from 2012 and 2015 within the Site of Community Importance and Special Area of Conservation IT1160056 "Alpi Marittime" (IT1160056) and it also provides the first checklist of the Heteroptera for this area. Based on intense field activity and on an extensive bibliographic search, the work aims to increase the knowledge of the Heteropteran fauna of this study area and to provide a basis for future studies of this group of insects.

## MATERIAL AND METHODS

### STUDY AREA

The Site of Community Importance and Special Area of Conservation "Alpi Marittime" (IT1160056) (Fig. 1), located in the Cuneo province, is the largest protected area in Piedmont. It covers a surface of 33 673 hectares and includes the municipalities of Aisone, Entracque, Limone Piemonte,



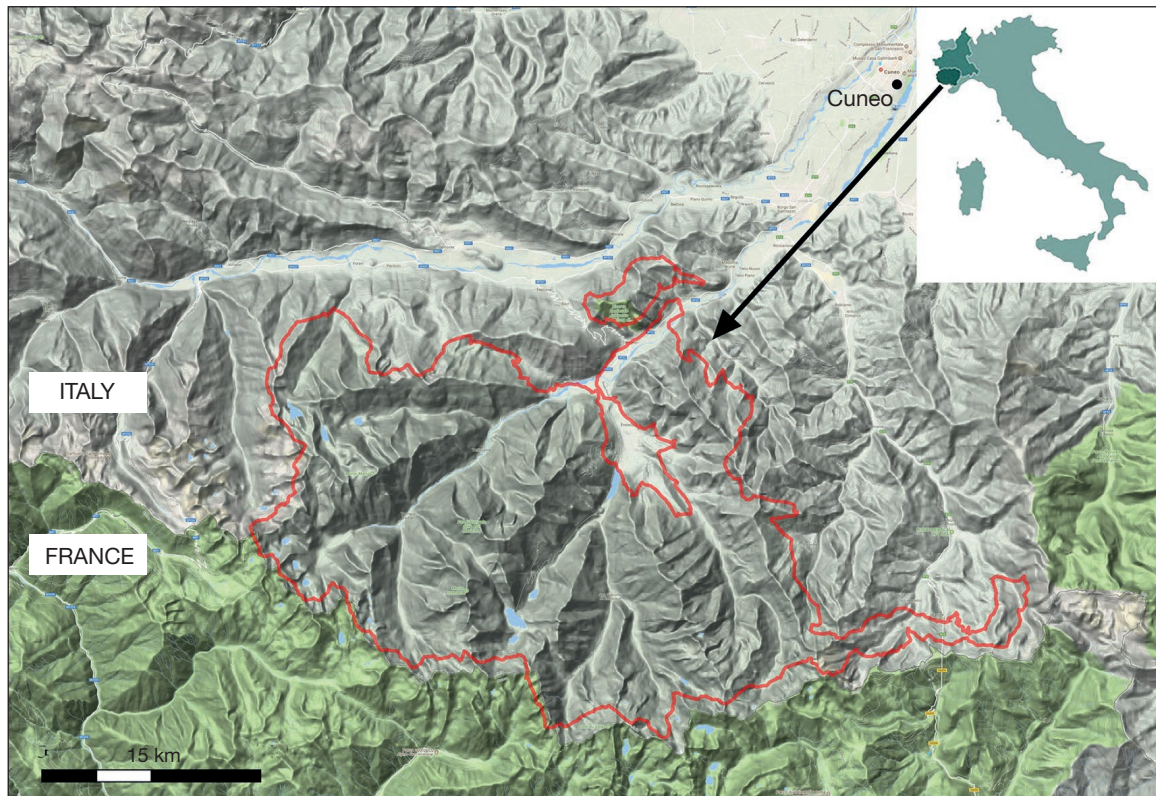


Fig. 1. — Study area in NW Italy (Site of Community Importance and Special Area of Conservation “Alpi Marittime” IT1160056).

Roaschia, Valdieri, Vernante, and includes part of the Valle Stura (Demonte), almost all the Valle Gesso, the upper part of Valle Vermentagna (Colle di Tenda) and the upper Val Grande (Palanfrè). The altitudinal range goes from about 700 m to the 3297 m of the Maritime Alps highest peak, the “Cima Argentera”. The habitats found in the area vary with the elevation: at the bottom of the valleys there are hardwood forests (mainly beech forests – *Fagus sylvatica* L.), followed by small spruce and larch forests; increasing the altitude we can find large areas of shrubs and bushes, and finally the open habitats of the higher areas are composed by grasslands, pastures and rocky lands. The history of the current protected area began with the unification of two protected areas instituted in 1979 and 1980: respectively, the “Parco Naturale dell’Argentera” and the “Riserva naturale speciale Boschi e Laghi di Palanfrè”, this incorporation created the so-called “Parco Naturale delle Alpi Marittime” in 1995, covering a surface of 28 000 hectares. In 2010 there has been a new delimitation of the Sites of Community Importance and Special Areas of Conservation in the Piedmont region, and this has led to increase the authority of the Park, which now has been expanded to the whole surface included within the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (IT1160056). In 2016, the “Parco Naturale delle Alpi Marittime” has been included in the “Ente di Gestione delle Aree Protette delle Alpi Marittime” (management body), which includes several protected areas, including the area studied in this work.

In this paper we consider all the territories within the SCI and SAC areas, including the “Parco Naturale delle Alpi Marittime”. Considering their closeness to the study area, several localities cited in literature and falling just outside the borders, were also included in this work.

This research was mainly carried out in 10 sites (Table 1) located within the protected area. These areas consist on different macrohabitats: forests, grasslands and pastures, wetlands and aquatic environments. In Table 1 a description of the investigated areas is provided.

#### SOURCES

The fieldwork was preceded by an extensive bibliography search. Neither for the Site of Community Importance, Special Area of Conservation “Alpi Marittime” (IT1160056), nor for the “Parco Naturale delle Alpi Marittime”, a complete faunistic study of the Heteroptera has been carried out until now.

The main source used about Italian Heteroptera is the volume of the Fauna d’Italia by Servadei (1967). To date, though the volume is outdated, it represents the most complete bibliographic source about this group of insects for Italy. In order to identify any references reported for the territory taken into consideration by this search, we checked all the literature indicated by Servadei (1967) for “Piedmont”. Then we consulted a hundred works, of which only 14 reported data locations falling within the borders of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (IT1160056).

TABLE 1. — List of the collecting sites.

Exposure	Altitudinal range	Municipality	Area
N; NE; E	850-1360 m	Entracque	Fus Carbonaro forest
W	1450-1550 m	Valdieri	Valletta forest
E; W	1180-1200 m	Entracque	Suffiet bridge
SW	980 m	Valdieri	Sant'Anna di Valdieri and Gesso stream
N; N-E	1600-2050 m	Limone Piemonte	Vallone della Perla (Fig. 2A, B)
E-S-E; N; N-E	1600-2000 m	Valdieri	Colle dell'Arpione (Fig. 2C)
S-E; E	1500-2200 m	Vernante	Palanfrè (Fig. 2D, E)
E; W	1680-1740 m	Valdieri	Pian della Casa and Gias della Casa (Fig. 2F)
S; NW	1400-1800 m	Valdieri	Pian del Valasco (Fig. 2G)
W	1400-2060 m	Entracque	Vej del Bouc lake (Fig. 2H)

Most of the bibliographic data originated from general works; in particular, the first records came from Ferrari (1884), who reported data of specimens collected by G. and L. Doria and in one case reports “Alpi Marittime”, although this is a doubtful record because we are not sure if the record fall within the protected area; however we decided to keep it in the list. Other old records come from Griffini (1893) who studied Pentatomidae Leach, 1815 and Coreidae Leach, 1815 of Piedmont region, including some data that fall within the current protected area; the last works about Heteroptera of the nineteenth century were those of Noelli (1897a; 1897b), who contributed to the knowledge of this group with his studies on Reduvidae Latreille, 1807 and Lygaeidae Schilling, 1829 of Piedmont region. In relatively more recent years, there have been works who focused on the analysis of some families of Italian Hemiptera and included data for Piedmont (e.g. Tamanini 1951, 1956); others, like those of Mancini (1952, 1959, 1963), consisted of “Miscellanees Emitterologiche” with data from various Italian regions and, finally, a paper of Mancini (1963) on Heteroptera in Liguria, from which some useful data were found for Piedmont. In addition, two papers by Servadei (1955, 1957) on other Italian places provided records which can be attributed to the investigated area. Some records have been found also in the “Faune de France” volumes by Péricart (1972, 1983, 1987, 1990, 1999a, b, c). These are the main sources that gave most of the data.

The examination of literature provided, finally, a list of 63 species, scattered in 14 papers, published between 1884 and 1999.

In the list, in some sporadic cases, records of localities for which it was not clear if they would fall perfectly within the territory of the protected area were also added; these are very old records of the years prior to 1900. They were nevertheless considered, as it is most likely that they can actually fall in the territory concerned.

Some reports of Heteroptera regarding this territory were taken from the website of the European project ATBI (All Taxa Biodiversity Information), which was mentioned in the introduction (Deharveng *et al.* 2015; Villemant *et al.* 2015).

Finally, the examination of some old collections of the Museum of Natural History “Giacomo Doria” of Genoa allowed us to identify some unpublished data, which, once checked, have been reported in the list under the heading “unpublished data”. In addition, the visit to this museum allowed also to locate the specimens related to some old published records for the investigated area, that it was possible to confirm or correct.

Nomenclature and systematic follow the “Catalogue of the Heteroptera of the Palaearctic Region” (Aukema & Rieger 1995, 1996, 1999, 2001, 2006; Aukema *et al.* 2013), with the exception of the superfamily Lygaeoidea Schilling, 1829, for which we chose to follow Henry (1997). The checklist, at infraorder level, follows the taxonomic arrangement of Schuh & Slater (1995). Superfamilies, families and species are, however, in alphabetical order. For each species, the unpublished data and bibliographic ones are shown. For the new data we provide the following information: data of locality, geographical coordinates (WGS84), altitude metres a.s.l. (when available), date of collection, collector, number of specimens, and the collection in which the specimens are deposited. For each species, its original name of description, with author, year and the page of description is given. Then we indicate the chorotype according to Vigna Taglianti *et al.* (1993, 1999), followed by a paragraph “Remark”, in which additional information is provided, such as the presence of the species in Italy, if it is a new record for the study area or for Italy, ecological notes (e.g. host plants) or, in some cases, systematic notes.

Concerning the chorotypes, the Alpine one was not indicated in Vigna Taglianti *et al.* (1993, 1999), but we created it (eventually to abbreviate as ALPI) for the species *Horwathia lineolata* (A. Costa, 1852) and *Acalypta visolensis visolensis* Péricart, 1976, whose distribution range could not be associated with any of the categories mentioned in that paper.

The terrestrial Heteroptera (Cimicomorpha Leston, Pendergrast & Southwood, 1954; Pentatomomorpha Leston, Pendergrast & Southwood, 1954) have been identified by P. Dioli, the aquatic Heteroptera *s.l.* (Gerromorpha Popov, 1971; Nepomorpha Popov, 1968; Leptopodomorpha Popov, 1971) have been identified by F. Cianferoni.

ABBREVIATIONS

Collections

- coll. AC Attilio Carapezza collection, Palermo;
- coll. AS Antonio Servadei collection, Padua (now in the Natural History Museum of Verona);
- coll. CR Christian Rieger collection, Nürtingen;
- coll. FC Fabio Cianferoni collection, Florence;
- coll. LT Livio Tamanini collection, Rovereto (now in the Civic Museum of Rovereto);
- coll. PD Paride Dioli collection, Sondrio;
- MZR Zoology Museum of Rome;
- MSNM Natural History Museum of Milan;
- MNHN National History Museum of Paris;
- MSNG Natural History Museum “Giacomo Doria”, Genoa;
- MSNV Natural History Museum of Verona;
- MZUF Natural History Museum of the University of Florence, Zoological Section “La Specola”, Florence.





FIG. 2. — **A**, La Perla small lake; **B**, La Perla Valley; **C**, Pastures of the “Colle dell’Arpione”; **D**, Palanfrè forest; **E**, Pastures of Palanfrè; **F**, Pian della Casa and Gias della Casa small ponds; **G**, Pian del Valasco; **H**, Vej del Bouc lake. Photos: M. Norbiato.



*Collectors abbreviations*

CR	Christian Rieger;
FC	Fabio Cianferoni;
FT	Fabio Terzani;
LB	Luca Bartolozzi;
MD	Marco Dogliotti;
MN	Margherita Norbiato;
PD	Paride Dioli;
SR	Saverio Rocchi.

*Other abbreviations*

dx	right;
juv.	juvenile specimen;
leg.	legit/legerunt;
loc.	locality.

ANNOTATED CHECKLIST

Infraorder GERROMORPHA Popov, 1971  
 Superfamily GERROIDEA Leach, 1815  
 Family GERRIDAE Leach, 1815

*Gerris (Gerris) costae* (Herrich-Schäffer, 1850)

*Hydrometra costae* Herrich-Schäffer, 1850: 71.

LITERATURE. — Carapezza & Faraci (2005, 2007 [sub *Gerris (Gerris) costae costae*]): San Giacomo di Entracque, Retreat, 1800 m, 1964, MSNV.

NEW DATA. — Entracque, Vei del Bouc Lake, 2054 m, 44.14209°N, 7.42284°E (WGS84), 23.VIII.2013, MN, MD leg., 2 specimens juv., MZUF. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, FC, FT, PD, SR, MN, LB, MD leg., 4 ♂, 4 ♀, 2 juv., coll. FC. — Limone Piemonte, SE del Bric Campanino, little lakes, 2125 m, 44.153°N, 7.604°E (WGS84), 27.VII.2015, FC, FT, PD, SR, MN, LB, MD leg., 5 ♂, 8 ♀, 1 nymph ♂, 1 nymph ♀, coll. FC. — Valdieri, Gias della Casa, wet area, c. 1660 m, 44.1777°N, 7.2673°E (WGS84), 28.VII.2015, FC, SR, FT, PD, MD, MN, LB leg., 2 ♀, 1 ♂, 1 nymph ♀, coll. FC. — Valdieri, Gias della Casa, pebble ponds e Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC, SR, FT, MD, PD, MN, LB leg., 2 ♂, 3 ♀, coll. FC. — Valdieri, Pian del Valasco, 1747 m, 44.19608°N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri (CN), Pian del Valasco, 1747 m, 5.VIII.2014, 2 specimens, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 2 specimens, MZUF.

CHOROTYPE. — Turano-European.

Family VELIIDAE Amyot & Serville, 1843

*Velia (Plesiovelia) currens* (Fabricius, 1794)

*Gerris currens* Fabricius, 1794: 193.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1400 m, 1964, MSNV; Limone Piemonte, L. Tamanini leg., coll. LT; Limone Piemonte, A. Servadei leg., 1952; coll. AS.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, FC, FT, MD, PD, SR, MN, LB leg., 2 juv., coll. FC. — Entracque, Trinità, right tributary of Bousset stream, 11.VI.2011, FC leg., 2 ♀, coll. FC. — Entracque, Tetti Violin, Torrente del Vallone Balme di Gherra, 1040 m, 10.VI.2011, FC leg., 7 ♀, 1 ♂, coll. FC. — Entracque, Trinità, torrente del Vallone del Prér, c. 1090 m, 44.2168°N, 7.4311°E (WGS84), 28.VII.2015, FC, FT, SR, MD, PD, MN, LB leg., 2 juv., coll. FC. — Limone Piemonte, 25.VIII.1989, F.T. leg., 1 ♂, MZUF. — Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, FC, FT, SR, MD, PD, MN, LB leg., 1 ♂, 1 ♀, 1 nymph ♂, coll. FC.

CHOROTYPE. — Alpino-Appenninico Endemic.

Infraorder NEPOMORPHA Popov, 1968  
 Superfamily CORIXOIDEA Leach, 1815  
 Family CORIXIDAE Leach, 1815

*Arctocorisa carinata* (C. R. Sahlberg, 1819)  
 (Fig. 3)

*Corixa carinata* C. R. Sahlberg, 1819: 12.

NEW DATA. — Col di Boaria, La Perla small lake, 1500 m, 07.VII.2001, A. Carapezza leg., 6 ♂, 8 ♀, coll. AC. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, FC, SR, FT, PD, LB, MN, MD leg., 15 ♂, 3 ♀, 10 juv., coll. FC. — Limone Piemonte, SE del Bric Campanino, wet area (little lakes and ponds), 2125 m, 44.153°N, 7.604°E (WGS84), 27.VII.2015, FC, SR, FT, PD, LB, MN, MD leg., 10 ♂, 8 ♀, 24 juv., coll. FC.

CHOROTYPE. — Sibero-European.

*Sigara (Vermicorixa) lateralis* (Leach, 1817)

*Corixa lateralis* Leach, 1817: 17.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1400 m, 1964, MSNV.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, FC, FT, PD, SR, MB, LB, MD leg., 1 ♀, coll. FC.

CHOROTYPE. — Palaearctic.

Superfamily NOTONECTOIDEA Latreille, 1802  
 Family NOTONECTIDAE Latreille, 1802

*Notonecta (Notonecta) viridis* Delcourt, 1909

*Notonecta viridis* Delcourt, 1909: 379.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1400 m, 1964, MSNV.

NEW DATA. — Alpi Marittime, V. Ghiliani leg., [sub “*glauca*”], 1 ♂, 1 ♀, MSNG. — *idem*, [sub “*viridis*”], 2 ♂, MSNG. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC, SR, FT, MD, MN, LB leg., 1 ♂, 1 ♀, coll. FC.

CHOROTYPE. — Turano-European.



FIG. 3. — Male (A) and female (B) of *Arctocoris carinata* (C. R. Sahlberg, 1819). Scale bar: 1 mm. Photo: G. Strauss.

Infraorder LEPTOPODOMORPHA Popov, 1971  
 Superfamily SALDOIDEA Amyot & Serville, 1843  
 Family SALDIDAE Amyot & Serville, 1843

*Chartoscirta cocksii* (Curtis, 1835)

*Acanthia cocksii* Curtis, 1835: text to plate 548.

LITERATURE. — Carapezza & Faraci (2005, 2007): Colle Tenda, 1300 m, VI.1881, D. Baudi leg., 1 specimen, MSNG.

CHOROTYPE. — West-Palaeartic.

*Macrosaldula scotica* (Curtis, 1835)

*Acanthia scotica* Curtis, 1835: text to plate 548.

LITERATURE. — Faraci & Rizzotti Vlach (1992), Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1400 m, 12.VIII.1964, G. Osella leg., 6 specimens, MSNV; Colle di Tenda, 1320 m,

VII.1892, A. Doderò leg., 1 specimen, MSNG; Limone Piemonte, 1010 m, VIII.1892, A. Doderò leg., 1 specimen, MSNG; Mancini (1952 [sub *Saldula scotica*]): Limone Piemonte; Mancini (1963 [sub *Saldula scotica*]): Colle di Tenda; Péricart (1990): “Alpes Maritimes”.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, FC, FT, MD, PD, SR, MN, LB leg., 1 ♀, coll. FC. — Sant’Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, FC, FT, SR, MB, LB leg., 2 ♂, coll. FC. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC, SR, FT, MD, PD, MN, LB leg., 1 ♀, coll. FC.

CHOROTYPE. — West-Palaeartic.

*Macrosaldula variabilis* (Herrich-Schäffer, 1835)

*Salda variabilis* Herrich-Schäffer, 1835: 61.

NEW DATA. — Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, FC, FT, SR, MB, LB leg., 1 ♂, coll. FC.

CHOROTYPE. — Turano-European-Mediterranean.

*Salda henschii* (Reuter, 1891)  
(Fig. 4)

*Acanthia henschii* Reuter, 1891: 23.

LITERATURE. — Cianferoni *et al.* (2017): Valdieri, Gias della Casa, small pools in a peat bog near Torrente Gesso della Valletta (stream), *c.* 1675 m a.s.l., 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC leg., 5 ♂, 7 ♀, coll. FC; *idem*, SR leg., 1 ♀, coll. FC; Valdieri, Pian del Valasco, peat bog, *c.* 1775 m, 44.196°N, 7.230°E (WGS84), 27.VII.2012, MN leg., 1 ♂, MZUF.

CHOROTYPE. — Central-European.

REMARK. — This species was recently recorded for the first time in Italy (Cianferoni *et al.* 2017).

*Saldula arenicola* (Scholtz, 1847)

*Salda arenicola* Scholtz, 1847: 110.

NEW DATA. — Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, FC, FT, SR, MN, LB leg., 1 ♂, 2 ♀, coll. FC.

CHOROTYPE. — Palaearctic.

*Saldula c-album* (Fieber, 1859)

*Salda c-album* Fieber, 1859: 236.

LITERATURE. — Faraci & Rizzotti Vlach (1992), Carapezza & Faraci (2005, 2007): Colle di Tenda, 1300 m, VI.1881, D. Baudi leg., 1 specimen, MSNG.

NEW DATA. — Entracque, Tetti Porcera, right tributary of Bousset stream, Porcera bridge, 1080 m, 11.VI.2011, FC leg., 4 ♂, 3 ♀, coll. FC. — Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, FC, FT, SR, MN, LB leg., 2 ♀, coll. FC.

CHOROTYPE. — European.

*Saldula melanoscela* (Fieber, 1859)

*Salda melanoscela* Fieber, 1859: 236.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, *c.* 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, FC, FT, MD, PD, SR, MN, LB leg., 1 ♀, coll. FC.

CHOROTYPE. — Asiatic-European.

*Saldula orthochila* (Fieber, 1859)

*Salda orthochila* Fieber, 1859: 234.

LITERATURE. — Faraci & Rizzotti Vlach (1992), Carapezza & Faraci (2005, 2007): Pian del Valasco (Valdieri), 1350 m, VII.1966, 1 specimen, MSNV; Valle Gesso, Soria Retreat, 1800 m, VII.1974, 1800 m, G. Osella leg., 2 specimens, MSNV.

NEW DATA. — Limone Piemonte, SE del Bric Campanino, wet area (little lakes and ponds), 2125 m, 44.153°N, 7.604°E (WGS84), 27.VII.2015, FC, FT, MD, PD, SR, MN, LB leg., 1 ♀, coll. FC.

CHOROTYPE. — Asiatic-European.

*Saldula saltatoria* (Linnaeus, 1758)

*Cimex saltatorius* Linnaeus, 1758: 448.

LITERATURE. — Faraci & Rizzotti Vlach (1992), Carapezza & Faraci (2005, 2007): Valle Gesso, Soria Retreat, 12.VII.1964, 1950 m, G. Osella leg., 1 specimen, MSNV; San Giacomo di Entracque, 17.VII.1964, 1400 m, M. Olmi leg., 1 specimen, MSNV.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, FC, FT, PD, SR, MN, LB, MD leg., 2 ♂, 2 ♀, 2 juv., coll. FC. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, *c.* 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC, SR, FT, MD, PD, MN, LB leg., 1 ♀, coll. FC.

CHOROTYPE. — Holarctic.

Infraorder CIMICOMORPHA  
Leston, Pendergrast & Southwood, 1954  
Superfamily CIMICOIDEA Latreille, 1802  
Family ANTHOCORIDAE Fieber, 1837

*Anthocoris nemoralis* (Fabricius, 1794)

*Acanthia nemoralis* Fabricius, 1794: 76.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, *c.* 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF; Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European-Mediterranean.

*Anthocoris nemorum* (Linnaeus, 1761)

*Cimex nemorum* Linnaeus, 1761: 254.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, *c.* 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 12 specimens, MZUF, MNHN; Limone Piemonte, 1250 m, 15.VII.1978, R. Poggi leg., [Alpi Liguri (CN), Dint. Piemonte, 15.VII.1978, R. Poggi], 1 specimen, MSNG. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MNHN. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, 1 juv., MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 speci-





FIG. 4. — *Salda henshii* (Reuter, 1891). Scale bar: 1 mm. Photo: F. Cianferoni.

men, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410° E (WGS84), 09.IX.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Malaise trap, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 1 specimen, 1 juv., MZUF.

CHOROTYPE. — Asiatic-European.

*Anthocoris simulans* Reuter, 1884

*Anthocoris minki* var. *simulans* Reuter, 1884: 194.

LITERATURE. — Péricart (1972): Limone Piemonte.

CHOROTYPE. — Sibero-European.

*Dufouriellus ater* (Dufour, 1833)

*Xylocoris ater* Dufour, 1833: 104.

NEW DATA. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Orius vicinus* (Ribaut, 1923)

*Triphleps vicinus* Ribaut, 1923: 529.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Orius minutus* (Linnaeus, 1758)

*Cimex minutus* Linnaeus, 1758: 446.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF, MNHN. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF.

CHOROTYPE. — Palaearctic.

*Orius niger* (Wolff, 1811)

*Salda nigra* Wolff, 1811: 167.

NEW DATA. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF.

CHOROTYPE. — Palaearctic.

*Temnostethus pusillus* (Herrich-Schäffer, 1835)

*Anthocoris pusillus* Herrich-Schäffer, 1835: 60.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — European.

Superfamily MIROIDEA Hahn, 1831  
Family MIRIDAE Hahn, 1831

*Adelphocoris lineolatus* (Goeze, 1778)

*Cimex lineolatus* Goeze, 1778: 267.

NEW DATA. — Valdieri, Valasco, 1450 m, 44.204067°N, 7.256410°E (WGS84), 31.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1450 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus

Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB & MN leg., 7 specimens, MZUF, MNHN. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, MN & LB leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Adelphocoris seticornis* (Fabricius 1775)

*Cimex seticornis* Fabricius, 1775: 725.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Adelphocoris vandalicus* (Rossi, 1790)

*Cimex vandalicus* Rossi, 1790: 249.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 3 specimens, MZUF.

CHOROTYPE. — Mediterranean.

*Agnocoris rubicundus* (Fallén, 1807)

*Lygaeus rubicundus* Fallén, 1807: 84.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Apolygus lucorum* (Meyer-Dür, 1843)

*Capsus lucorum* Meyer-Dür, 1843: 46.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 2 specimens, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

*Alloeotomus gothicus* (Fallén, 1807)

*Lygaeus gothicus* Fallén, 1807: 93.

LITERATURE. — Mancini (1952, 1963), Carapezza & Faraci (2005, 2007): Colle di Tenda.

CHOROTYPE. — European.

*Bryocoris pteridis* (Fallén, 1807)

*Capsus pteridis* Fallén, 1807: 105.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Calocoris roseomaculatus* (De Geer, 1773)

*Cimex roseomaculatus* De Geer, 1773: 293.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, MZUF; Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 7 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 22.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 05.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013, MN, MD leg., 5 specimens, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 15 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, 1800 m, 08.VIII.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — European.

*Calocoris affinis* (Herrich-Schäffer, 1835)

*Capsus affinis* Herrich-Schäffer, 1835: 49, 82.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1300 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN, leg., 1 specimen, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.59948°E (WGS84), 11.VIII.2014, MN, MD leg., 4 specimens, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.59948°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24.VII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Europeano-Mediterranean.

*Calocoris alpestris* (Meyer-Dur, 1843)

*Capsus pabulinus* var. *alpestris* Meyer-Dur, 1843: 50.

NEW DATA. — Valdieri, Pian del Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 27.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 4 specimens, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

REMARK. — Disjunct distribution of Boreo-Alpine type, but limited only to Europe.

*Campyloneura virgula* (Herrich-Schäffer, 1835)

*Capsus virgula* Herrich-Schäffer, 1835: 48.

NEW DATA. — Limone Piemonte, SE del Bric Campanino, wet area (little lakes and ponds), 2125 m, 44.153°N, 7.604°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaeartic.

*Capsodes flavomarginatus* (Donovan, 1798)

*Cimex flavomarginatus* Donovan, 1798: 79.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — West-European.

*Capsus ater* (Linnaeus, 1758)

*Cimex ater* Linnaeus, 1758: 447.

NEW DATA. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — European.

*Charagochilus gyllenhalii* (Fallén, 1807)

*Lygaeus gyllenhalii* Fallén, 1807: 88.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaeartic.



*Charagochilus weberi* Wagner, 1953

*Charagochilus weberi* Wagner, 1953: 84.

LITERATURE. — Servadei (1957): Limone Piemonte.

CHOROTYPE. — Palaearctic.

REMARK

This is a doubtful taxon, that could be attributed to *Charagochilus spiralifer* Kerzhner, 1988 (see Simon 1992, Kment & Banar 2012).

*Chlamydatus pullus* (Reuter, 1870)

*Agalliaestes pullus* Reuter, 1870: 324 [“224”].

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Closterotomus annulus* (Brullé, 1832)

*Miris annulus* Brullé, 1832: 78.

NEW DATA. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.61385°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — East-European.

*Closterotomus biclavatus* (Herrich-Schäffer, 1835)

*Capsus biclavatus* Herrich-Schäffer, 1835: 48, 82.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, coll. PD.

CHOROTYPE. — West-Palaearctic.

*Closterotomus norwegicus* (Gmelin, 1790)

*Cimex norwegicus* Gmelin, 1790: 2176.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaearctic.

REMARK. — It is a very common West-Palaearctic species, introduced in North America and Australia (Carapezza 2007).

*Closterotomus fulvomaculatus* (De Geer, 1773)

*Cimex fulvomaculatus* De Geer, 1773: 294.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Compsidolon absinthii* (Scott, 1870)

*Agalliaestes absinthii* Scott, 1870: 100.

NEW DATA. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Turano-European.

*Cremnocephalus albolineatus* (Reuter, 1875)

*Cremnocephalus albolineatus* Reuter, 1875c: 87.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Criocoris crassicornis* (Hahn, 1834)

*Phytocoris crassicornis* Hahn, 1834: 90.

NEW DATA. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 ♂, 1 ♀, MZUF. — Valdieri, Pian del Valasco, 1766 m, 44.19608°N, 7.23051°E (WGS84), 27.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 ♀, MZUF.

CHOROTYPE. — Asiatic-European.

*Deraeocoris (Knightocapsus) lutescens* (Schilling, 1837)

*Phytocoris lutescens* Schilling, 1837: 84.

LITERATURE. — Carapezza & Faraci (2005, 2007): Limone Piemonte, 1892, MSNG; Limone Piemonte, 1952, coll. AS.

CHOROTYPE. — West-Palaearctic.

*Deraeocoris (Deraeocoris) ribauti* Wagner, 1943

*Deraeocoris luctuosus* f. *ribauti* Wagner, 1943: 7.

LITERATURE. — Carapezza & Faraci (2005, 2007): Valdieri, 1963, MSNV; Tamanini (1977), Carapezza & Faraci (2005, 2007): Valdieri, VII-VIII.1977, G. Osella leg., MSNV.

CHOROTYPE. — West-European.

*Deraeocoris (Deraeocoris) ruber* (Linnaeus, 1758)

*Cimex ruber* Linnaeus, 1758: 446.

LITERATURE. — Mancini (1963): Colle di Tenda; Carapezza & Faraci (2005, 2007): Entracque, 1978, coll. AS; Entracque, San Giacomo, 1700 m, 1966, MSNV; Limone Piemonte, 1952, coll. AS; Valdieri, Sant'Anna, 1974, coll. AS.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 3 specimens, MZUF. — Valdieri, Madonna del Colletto, 1250 m, 44.28286°N, 7.38510°E (WGS84), 02.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaearctic.

*Deraeocoris (Deraeocoris) scutellaris* (Fabricius, 1794)

*Lygaeus scutellaris* Fabricius, 1794: 180.

LITERATURE. — Mancini (1952, 1963): Colle di Tenda.

CHOROTYPE. — Asiatic-European.

*Deraeocoris (Camptobrochis) serenus*  
Douglas & Scott, 1868

*Camptobrochis serenus* Douglas & Scott, 1868: 135.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1600 m, 1966, MSNV; Limone Piemonte, 1952, coll. AS.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-Mediterranean.

*Dicyphus epilobii* Reuter, 1883

*Dicyphus epilobii* Reuter, 1883a: 50, 52.

LITERATURE. — Tamanini (1956): Limone Piemonte, VIII, A. Servadei leg.

CHOROTYPE. — European.

*Dicyphus (Brachyceraea) annulatus ononidis*  
(Wagner, 1951)

*Brachyceraea ononidis* Wagner, 1951: 24, 35.

LITERATURE. — Tamanini (1956): Limone Piemonte, VIII, A. Servadei leg.

CHOROTYPE. — Europeano-Mediterranean.

*Dicyphus (Brachyceraea) globulifer* (Fallén, 1829)

*Capsus globulifer* Fallén, 1829: 124.

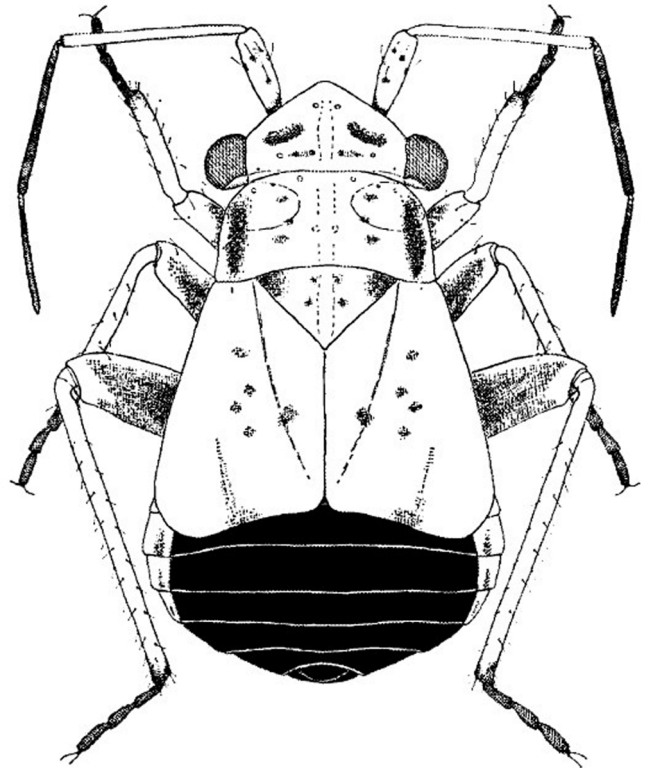


FIG. 5. — Drawing of *Dimorphocoris ruffoi* Tamanini, 1971, from Tamanini (1976).

LITERATURE. — Tamanini (1956): Limone Piemonte, VIII, A. Servadei leg.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Dimorphocoris ruffoi* Tamanini, 1971  
(Fig. 5)

*Dimorphocoris ruffoi* Tamanini, 1971: 363.

LITERATURE. — Tamanini (1976), Carapezza & Faraci (2005, 2007): Entracque, Soria Retreat, loc. Prajet, northern slope of Entracque, 1840 m, 28.VII.1974, G. Osella leg., MSNV; Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1800 m, 1970, MSNV; Entracque, 1800 m, 1970, coll. AC.

CHOROTYPE. — Southwest Alpine endemic.

*Europiella alpina* (Reuter, 1875)

*Plagiognatus alpinus* Reuter, 1875b: 56.

NEW DATA. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.



*Europiella artemisiae* (Becker, 1864)

*Capsus artemisiae* Becker, 1864: 487.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Globiceps (Kelidocoris) flavomaculatus*  
(Fabricius, 1794)

*Lygaeus flavomaculatus* Fabricius, 1794: 182.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB & MN leg., 7 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, 2050 m, 44.20033°N, 7.47289°E (WGS84), 24.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Globiceps (Kelidocoris) fulvicollis* Jakovlev, 1877

*Globiceps fulvicollis* Jakovlev, 1877: 293.

LITERATURE. — Mancini (1963): Colle di Tenda.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Globiceps (Globiceps) sphaegiformis* (Rossi, 1790)

*Cimex sphaegiformis* Rossi, 1790: 250.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European.

*Hadrodemus m-flavum* (Goeze, 1778)

*Cimex m-flavum* Goeze, 1778: 279.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 6 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 3 specimens, MZUF, MNHN. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 05.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013,

MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 4 specimens, MZUF.

CHOROTYPE. — European.

*Halticus apterus* (Linnaeus, 1758)

*Cicada aptera* Linnaeus, 1758: 438.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1800 m, 1964, MSNV.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF.

CHOROTYPE. — Palaearctic.

*Halticus luteicollis* (Panzer, 1804)

*Lygaeus luteicollis* Panzer, 1804: 18.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaearctic.

*Heterocapillus tigris* (Mulsant & Rey, 1852)

*Capsus tigris* Mulsant & Rey, 1852: 129.

NEW DATA. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Hoplomachus thunbergii* (Fallén, 1807)

*Lygaeus thunbergii* Fallén, 1807: 91.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Horistus orientalis* (Gmelin, 1790)

*Cimex orientalis* Gmelin, 1790: 2191.

NEW DATA. — Colle di Tenda, 1900 m, 07.VI.2001, A. Carapezza leg., 4 ♂, coll. AC. — Limone Piemonte, northern slope over the cableway, c. 1800 m, 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Europeano-Mediterranean.

*Horwathia lineolata* (A. Costa, 1862)*Capsus lineolatus* A. Costa, 1862: 21.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.24899°N, 7.38166°E (WGS84), 22.VI.2014, MN, MD leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 20.VI.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 07-16.VIII.2013, Malaise trap, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24.VII.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Alpine endemic.

*Lepidargyrus ancorifer* (Fieber, 1858)*Apocremnus ancorifer* Fieber, 1858: 336.

LITERATURE. — Carapezza &amp; Faraci (2005, 2007): Entracque, San Giacomo, 1978, coll. AS; Valdieri, Sant'Anna, 1978, coll. AS.

CHOROTYPE. — South-European.

*Leptopterna dolabrata* (Linnaeus, 1758)*Cimex dolabratus* Linnaeus, 1758: 449.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 5 specimens, MZUF.

CHOROTYPE. — Sibero-European.

*Liocoris tripustulatus* (Fabricius, 1781)*Cimex tripustulatus* Fabricius, 1781: 370.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.24899°N, 7.38166°E (WGS84), 03.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Valasco, 1550 m, 31.VIII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Lopus decolor* (Fallén, 1807)*Capsus decolor* Fallén, 1807: 102.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — European.

*Lygocoris pabulinus* (Linnaeus, 1761)*Cimex pabulinus* Linnaeus, 1761: 253.

NEW DATA. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Holarctic.

*Lygocoris rugicollis* (Fallén, 1807)*Lygaeus rugicollis* Fallén, 1807: 76.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, coll. PD, MZUF.

CHOROTYPE. — Holarctic.

*Lygus pratensis* (Linnaeus, 1758)*Cimex pratensis* Linnaeus, 1758: 448.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB & MN leg., 7 specimens, MZUF, MNHN. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.19694°N, 7.4838°E (WGS84), 21.VI.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palearctic.

*Lygus punctatus* (Zetterstedt, 1838)*Phytocoris punctatus* Zetterstedt, 1838: 273.

NEW DATA. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 15 specimens, coll. PD, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 28.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Gias della Casa, Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, FC, SR, FT, MD, PD, MN, LB leg., 4 specimens, MZUF. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 12 specimens, MZUF, MNHN.

CHOROTYPE. — Holarctic.



*Lygus wagneri* (Remane, 1955)

*Lygus (Exolygus) wagneri* Remane, 1955: 115.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 12 specimens, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2003, MN, MD leg., 10 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds e Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 4 specimens, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 30.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1552 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.1914, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré 1625 m, 44.19694°N, 7.4838°E (WGS84), 17.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 5 specimens, MZUF. — Vernante, loc. Palanfré, 1770 m, 44.198119°N, 7.478328°E (WGS84), 21.VIII.2014, MN, MD leg., 4 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1920 m, 44.199977°N, 7.474896°E (WGS84), 26.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2000 m, 44.20033°N, 7.47289°E (WGS84), 24.VIII.2014, MN, MD leg., 4 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 5 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 10 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

*Macrotylus (Macrotylus) herrichi* (Reuter, 1873)

*Hoplomachus herrichi* Reuter, 1873: 24.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Turano-European.

*Macrotylus (Macrotylus) quadrilineatus* (Schrank, 1785)

*Cimex quadrilineatus* Schrank, 1785: 339.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri,

Pian del Valasco, 1747 m, 44.19608°N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, Norbiato, 1 specimen, MZUF.

CHOROTYPE. — European.

*Mecomma (Globicellus) dispar* (Boheman, 1852)

*Cyllecoris dispar* Boheman, 1852: 72.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 ♀, MZUF.

CHOROTYPE. — Sibero-European.

REMARK

In Northern Europe this species lives in coastal wetlands, while S of the Alps it can be found between 1000 and 1900 m a.s.l.

*Megaloceroea recticornis* (Geoffroy, 1785)

*Cimex recticornis* Geoffroy, 1785: 209.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 3 specimens, MZUF. — Entracque, Fus Carbonaro, 950 m, 44.250810°N, 7.377315°E (WGS84), 06.VII.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, small pools in a peat bog and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 05.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19694°N, 7.4838°E (WGS84), 17.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 9 specimens, MZUF. — Vernante, loc. Palanfré, 1730 m, 44.2041°N, 7.48709°E (WGS84), 06.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MNHN. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaeartic.

REMARK

Introduced in North America and New Zealand; it is one of the more common Italian mirids (Carapezza 2007).

*Miris striatus* (Linnaeus, 1758)

*Cimex striatus* Linnaeus, 1758: 449.

NEW DATA. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 28.VI.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Notostira elongata* (Geoffroy, 1785)

*Cimex elongatus* Geoffroy, 1785: 208.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 2 specimens, MZUF, coll. PD.

CHOROTYPE. — Palaearctic.

*Notostira erratica* (Linnaeus, 1758)

*Cimex erraticus* Linnaeus, 1758: 449.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 ♀, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2003, MN, MD leg., 10 specimens, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 19.VI.2014, MN, MD leg., 2 ♀, MZUF.

CHOROTYPE. — Turano-European.

*Orthocephalus coriaceus* (Fabricius, 1777)

*Acanthia coriacea* Fabricius, 1777: 299.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 ♀, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 2 ♀, MZUF.

CHOROTYPE. — European.

*Orthocephalus saltator* (Hahn, 1835)

*Capsus saltator* Hahn, 1835: 11.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1964, MSNV.

CHOROTYPE. — Palaearctic.

*Orthocephalus vittipennis* (Herrich-Schäffer, 1835)

*Orthocephalus vittipennis* Herrich-Schäffer, 1835: 52, 88.

LITERATURE. — Carapezza & Faraci (2005, 2007) ["uncertain identification"]: Entracque, San Giacomo, 1600 m, 1966, MSNV.

CHOROTYPE. — Sibero-European.

*Orthotylus marginalis* Reuter, 1883

*Orthotylus marginalis* Reuter, 1883b: 350.

LITERATURE. — Mancini (1963): Colle di Tenda.

CHOROTYPE. — Sibero-European.

*Orthonotus rufifrons* (Fallén, 1807)

*Capsus rufifrons* Fallén, 1807: 105.

NEW DATA. — Entracque, S of Ponte Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 ♀, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 ♂, MZUF.

CHOROTYPE. — European.

*Orthops campestris* (Linnaeus, 1758)

*Cimex campestris* Linnaeus, 1758: 448.

NEW DATA. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — West-Palaearctic.

*Orthops kalmii* (Linnaeus, 1758)

*Cimex kalmii* Linnaeus, 1758: 448.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Palaearctic.

*Orthops montanus* (Schilling, 1837)

*Phytocoris montanus* Schilling, 1837: 83.

NEW DATA. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Europeano-Mediterranean.

*Pachytomella passerinii* (A. Costa, 1842)

*Phytocoris passerinii* A. Costa, 1842: 288.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, c. 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 1 ♀, MZUF.

CHOROTYPE. — Mediterranean.

REMARK

Despite the Mediterranean distribution range, this species has been found also at high altitudes (> 2000 m) and in cold habitats (e.g. Ehanno 1987).

*Phytocoris austriacus* Wagner, 1954

*Phytocoris* (*Ktenocoris*) *austriacus* Wagner, 1954: 9, 30.

LITERATURE. — Servadei (1957): Limone Piemonte.

CHOROTYPE. — South-European.

*Phytocoris varipes* Boheman, 1852

*Phytocoris varipes* Boheman, 1852: 107.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European.

*Pilophorus confusus* (Kirschbaum, 1856)

*Capsus confusus* Kirschbaum, 1856: 232.

LITERATURE. — Mancini (1963): Colle di Tenda.

CHOROTYPE. — Palaearctic.

*Pinalitus rubricatus* (Fallén, 1807)

*Lygaeus rubricatus* Fallén, 1807: 91.

NEW DATA. — Valdieri, Valasco, 1550 m, 44.204067°N, 7.256410°E (WGS84), 31.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian del Valasco, 1747 m, 44.19608°N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Pithanus maerkelii* (Herrich-Schäffer, 1838)  
(Fig. 6)

*Capsus maerkelii* Herrich-Schäffer, 1838: 78.

NEW DATA. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Placochilus seladonicus* (Fallén, 1807)

*Cimex seladonicus* Fallén, 1807: 91.

NEW DATA. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 9 specimens, MZUF.

CHOROTYPE. — European.

*Plagiognathus arbustorum* (Fabricius, 1794)

*Lygaeus arbustorum* Fabricius, 1794: 175.

NEW DATA. — Colle di Tenda, 1.900 m, 07.VII.2001, A. Carapezza leg., 1 ♂, coll. AC. — Entracque, Fus Carbonaro, 1000 m, 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 950 m, 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 7 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Plagiognathus chrysanthemii* (Wolff, 1804)

*Miris chrysanthemii* Wolff, 1804: 157.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1650 m, 44.17084°N, 7.61385°E (WGS84), 26.IX.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 11 specimenx, MZUF.

CHOROTYPE. — Asiatic-European.

*Parapsallus vitellinus* (Scholtz, 1847)

*Capsus vitellinus* Scholtz, 1847: 130.



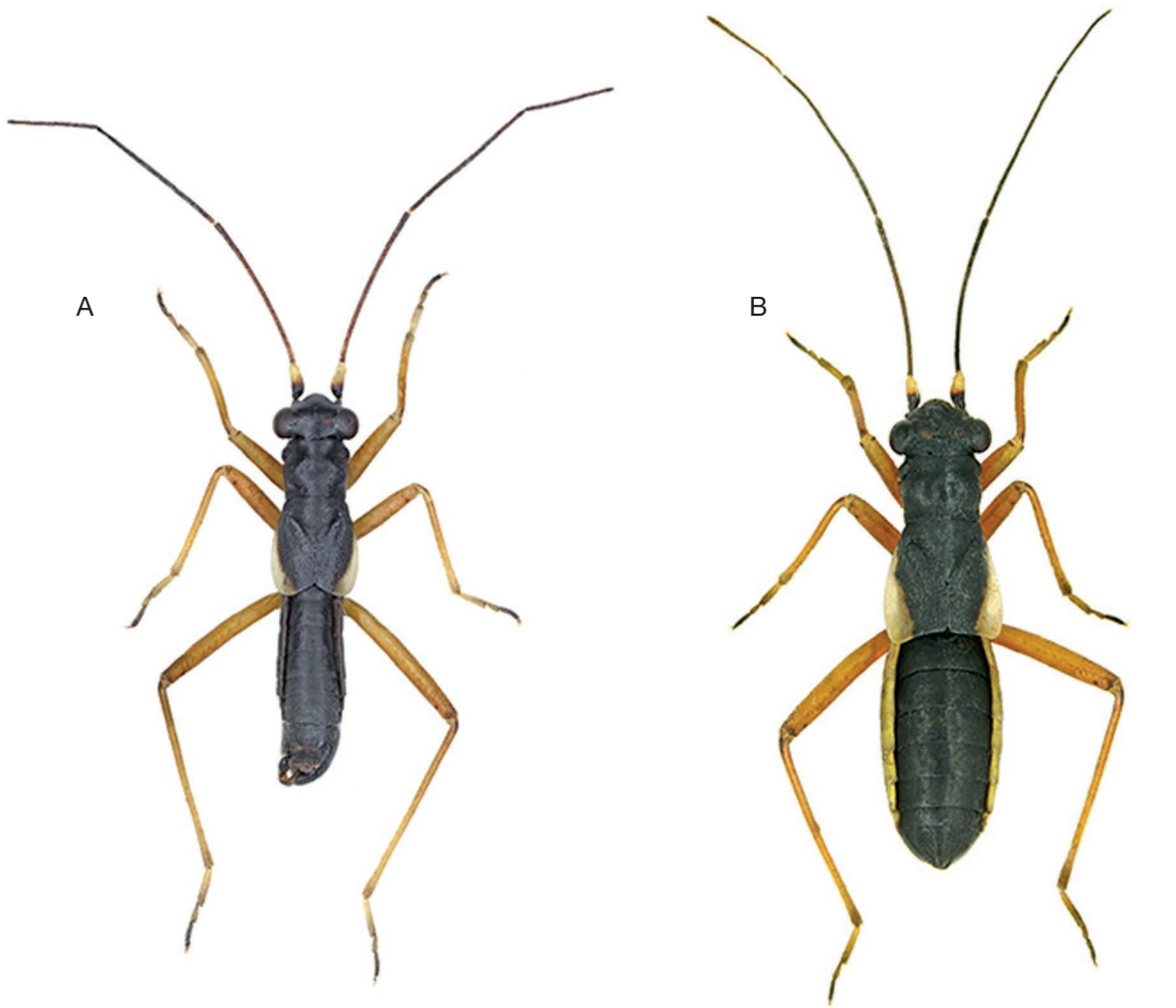


FIG. 6. — Male (A) and female (B) of *Pithanus maerkelii* (Herrich-Schäffer, 1838). Scale bars: 1 mm. Photo: G. Strauss.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 20.VI.2014, MN, MD leg., 2 specimens, MZUF, coll. PD.

CHOROTYPE. — Sibero-European.

*Polymerus (Poeciloscytus) cognatus* (Fieber, 1858)

*Poeciloscytus cognatus* Fieber, 1858: 331.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Polymerus (Poeciloscytus) unifasciatus*  
(Fabricius, 1794)

*Lygaeus unifasciatus* Fabricius, 1794: 178.

NEW DATA. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Psallus (Mesopsallus) ambiguus* (Fallén, 1807)

*Lygaeus ambiguus* Fallén, 1807: 89.

LITERATURE. — Mancini (1963 [sub *Psallus (Apocreminus) ambiguus*]): Colle di Tenda.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Psallus (Psallus) varians* (Herrich-Schäffer, 1841)

*Capsus varians* Herrich-Schäffer, 1841: 45.

NEW DATA. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

*Stenodema (Stenodema) sericans* (Fieber, 1861)

*Miris sericans* Fieber, 1861: 240.

NEW DATA. — Valdieri, Pian del Valasco, 1747 m, 44.19608° N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1730 m, 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1770 m, 21.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — South-European.

*Stenodema (Stenodema) algoviense* (Schmidt, 1934)

*Stenodema algoviense* Schmidt, 1934: 34.

NEW DATA. — Entracque, Vej del Bouc lake, 2054 m, 44.14209°N, 7.42284°E (WGS84), 23.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Alpine endemic.

*Stenodema (Stenodema) holsata* (Fabricius, 1787)

*Cimex holsatus* Fabricius, 1787: 306.

NEW DATA. — Entracque, Vej del Bouc lake, 2054 m, 44.14209°N, 7.42284°E (WGS84), 23.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 4 specimens, MZUF. — Limone Piemonte, Gias della Perla. — La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 5 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 11 specimenx, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 4 specimens, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 2 specimens, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2003, MN, MD leg., 10 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 22.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione,

1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Gias della Casa, small pools in a peat bog e Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF. — Valdieri, Pian del Valasco, 1747 m, 44.19608°N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 30.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1740 m, 07.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Valdieri, Valasco, 1550 m, 44.204067°N, 7.256410° E (WGS84), 31.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 17.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Stenodema (Stenodema) laevigata* (Linnaeus, 1758)

*Cimex laevigatus* Linnaeus, 1758: 449.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 3 specimens, MZUF. — Valdieri, Colle dell'Arpione 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, 1 juv., MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Stenodema (Stenodema) virens* (Linnaeus, 1767)

*Cimex virens* Linnaeus, 1767: 730.

LITERATURE. — Servadei (1955 [sub *Stenodema virens* v. *fulva* (Fieber, 1837)]): Limone Piemonte.

CHOROTYPE. — Asiatic-European.

*Stenotus binotatus* (Fabricius, 1794)

*Lygaeus binotatus* Fabricius, 1794: 172.

NEW DATA. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF, MNHN. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 05.VIII.2013, MN, MD leg., 6 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

### *Strongylocoris leucocephalus* (Linnaeus, 1758)

*Cimex leucocephalus* Linnaeus, 1758: 446.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1250 m, 1964, MSNV.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 4 specimens, MZUF. — Valdieri, Colle dell'Arpione 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 26.VI.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1750 m, 44.19694°N, 7.4838°E (WGS84), 30.VII.2014, MN, MD leg., 1 specimen, MNHN. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

### *Trigonotylus ruficornis* (Geoffroy, 1785)

*Cimex ruficornis* Geoffroy, 1785: 209.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1250 m, 1964, MSNV.

NEW DATA. — Valdieri, Pian del Valasco, 1750 m, 44.19608°N, 7.23051°E (WGS84), 20.VIII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

Family TINGIDAE (Laporte, 1832)

### *Acalypta finitima* (Puton, 1884)

*Orthostira finitima* Puton, 1884: 313.

LITERATURE. — Péricart (1983), Carapezza & Faraci (2005, 2007): Entracque, Lago Brocan, 2020 m, 1930.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015 (litter sieving), LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — Central-European.

### *Acalypta samara* (Puton, 1887)

*Orthostira samara* Puton, 1887: 98.

LITERATURE. — Roubal (1958 [sub *Acalypta* (*Orthostira*) *samara*]): Entracque, Lago Brocan.

CHOROTYPE. — European.

#### REMARK

This species has an Alpine-Balcanic disjoint distribution.

### *Acalypta visolensis visolensis* Péricart, 1976

*Acalypta visolensis* Péricart, 1976: 174.

LITERATURE. — Péricart (1983), Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1800 m, 1970.

CHOROTYPE. — Alpine endemic.

### *Catoplatus fabricii* (Stål, 1868)

*Tingis fabricii* Stål, 1868: 93.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 3 specimens, MZUF.

CHOROTYPE. — European.

### *Copium clavicorne clavicorne* (Linnaeus, 1758) (Fig. 7)

*Cimex clavicornis* Linnaeus, 1758: 442.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1250 m, 1964, MSNV.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 5 specimens,



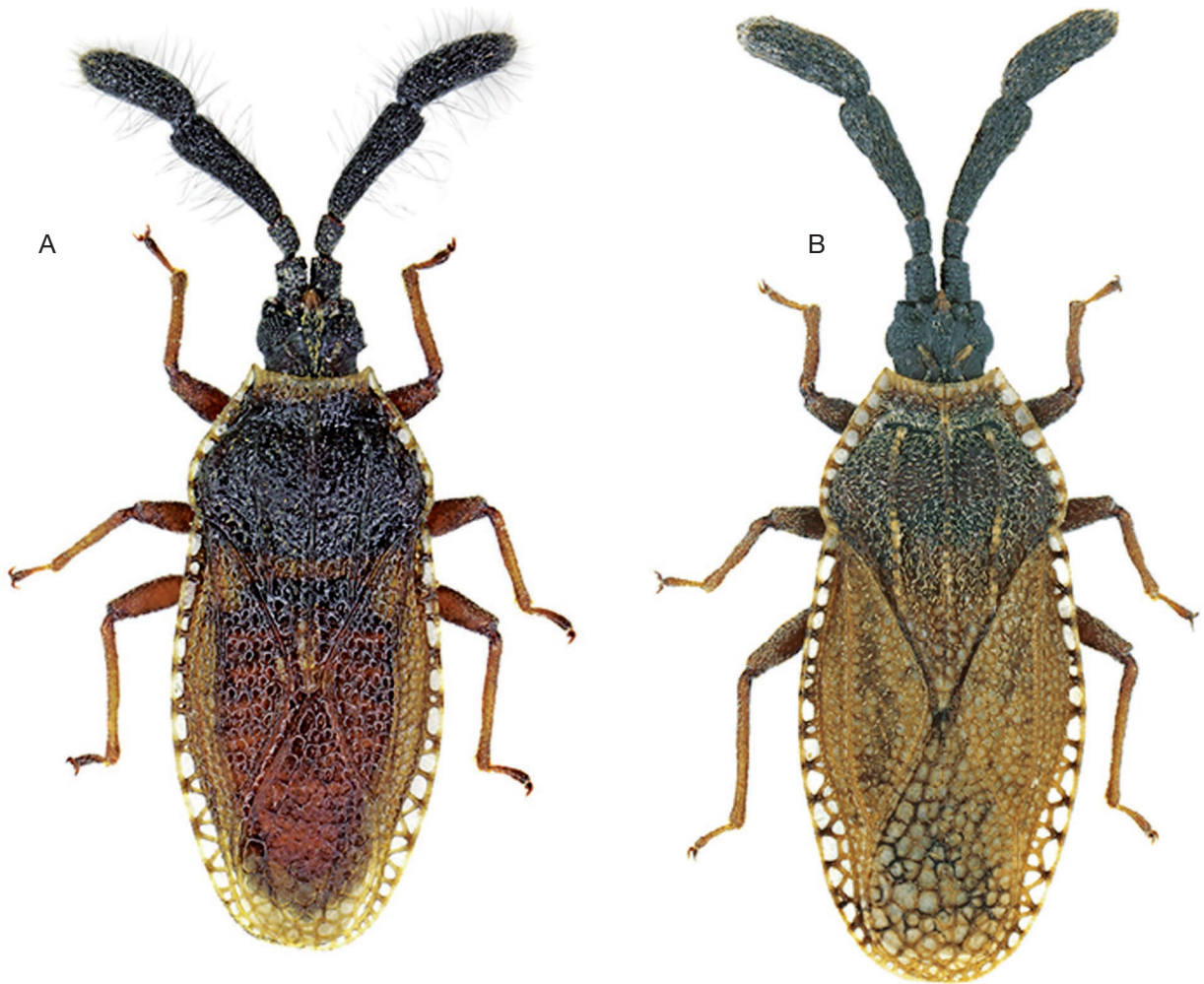


FIG. 7. — Female (A) and male (B) of *Copium clavicornе clavicornе* (Linnaeus, 1758). Scale bars: 1 mm. Photo: G. Strauss.

MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Malaise trap, 1680 m, 44.2041°N, 7.48709°E (WGS84), 27.VI.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European.

REMARK

This species has Turano-European range with extension to the Arabian Peninsula.

*Dictyla echii* (Schrank, 1782)

*Cimex echii* Schrank, 1782: 276.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1250 m, 1966, MSNV.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Tingis (Tingis) cardui* (Linnaeus, 1758)

*Cimex cardui* Linnaeus, 1758: 443.

NEW DATA. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2013, MN, MD leg., 5 specimens, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 23.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palearctic.

*Tingis (Tropidocheila) maculata*  
(Herrich-Schäffer, 1838)

*Monanthia maculata* Herrich-Schäffer, 1838: 51, 56.

LITERATURE. — Carapezza & Faraci (2005, 2007): Entracque, San Giacomo, 1250 m, 1964, MSNV.

CHOROTYPE. — Turano-European.

Superfamily NABOIDEA A. Costa, 1853  
Family NABIDAE A. Costa, 1853

*Himacerus (Aptus) mirmicoides* (O. Costa, 1834)

*Nabis mirmicoides* O. Costa, 1834: 71.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 3 specimens, MZUF.

CHOROTYPE. — Europeano-Mediterranean.

*Himacerus (Himacerus) apterus* (Fabricius, 1798)

*Reduvius apterus* Fabricius, 1798: 546.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 2 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

*Nabis (Nabicula) flavomarginatus*  
Scholtz, 1847

*Nabis flavomarginatus* Scholtz, 1847:114.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MNHN. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 5 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Nabis (Nabis) punctatus punctatus*  
A. Costa, 1847

*Nabis punctatus* A. Costa, 1847: 14.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 2 ♀, MZUF.

CHOROTYPE. — West-Palaeartic.

*Nabis (Nabis) pseudoferus pseudoferus*  
Remane, 1949

*Nabis pseudoferus pseudoferus* Remane, 1949: 63.

LITERATURE. — Servadei (1955 [sub *Nabis pseudoferus*]): Limone Piemonte.

CHOROTYPE. — European.

*Nabis (Nabis) rugosus* (Linnaeus, 1758)

*Cimex rugosus* Linnaeus, 1758: 442.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB & MN leg., 7 specimens, MZUF, MNHN. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 17.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, 1 specimen, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1770 m, 44.198119°N, 7.478328°E (WGS84), 21.VIII.2014, MN, MD leg., 1 ♂, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 3 specimens, MZUF.

CHOROTYPE. — Sibero-European.

*Prostemma aeneicolle* Stein, 1857

*Prostemma aeneicolle* Stein, 1857: 88.

LITERATURE. — Péricart (1987): « Piémont: [...] Alpes Maritimes, jusqu'à 2100 m d'altitude. » [Piedmont: Maritime Alps, up to 2100 m a.s.l.].

CHOROTYPE. — European.

Superfamily REDUVIOIDEA Börner, 1910  
Family REDUVIIDAE Latreille, 1807

*Rhynocoris annulatus* (Linnaeus, 1758)

*Cimex annulatus* Linnaeus, 1758: 447.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Rhynocoris iracundus* (Poda, 1761)

*Cimex iracundus* Poda, 1761: 58.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 3 specimens, coll. CR.

NEW DATA. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1630 m, 44.19694°N, 7.4838°E (WGS84), 12.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84),



FIG. 8. — Male of *Aneurus (Aneuroides) avenius* (Dufour, 1833). Scale bar: 1 mm. Photo: G. Strauss.

11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 3 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

Infraorder PENTATOMOMORPHA  
Leston, Pendegrast & Southwood, 1954  
Superfamily ARADOIDEA Spinola, 1837  
Family ARADIDAE Spinola, 1837

*Aneurus (Aneuroides) avenius* (Dufour, 1833)  
(Fig. 8)

*Aradus avenius* Dufour, 1833: 182.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 06.VI.2014, MN, MD leg., 1 specimen [identified by photo].

CHOROTYPE. — Palaeartic.

Superfamily COREOIDEA Leach, 1815  
Family ALYDIDAE Amyot & Serville, 1843

*Alydus calcaratus* (Linnaeus, 1758)

*Cimex calcaratus* Linnaeus, 1758: 450.

NEW DATA. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 3 specimens, MZUF.

CHOROTYPE. — Holarctic.

*Camptopus lateralis* (Germar, 1817)

*Alydus lateralis* Germar, 1817: 285.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 3 specimens, MZUF.

CHOROTYPE. — Palaeartic.

Family COREIDAE Leach, 1815

*Nemocoris fallenii* R. F. Sahlberg, 1848

*Nemocoris fallenii* R. F. Sahlberg, 1848: 42.

LITERATURE. — Mancini (1960): Colle di Tenda.

CHOROTYPE. — Sibero-European.

*Ceraleptus gracilicornis* (Herrich-Schäffer, 1835)

*Coreus gracilicornis* Herrich-Schäffer, 1835: plate 5 with legend.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European-Mediterranean.

*Coreus marginatus* (Linnaeus, 1758)

*Cimex marginatus* Linnaeus, 1758: 443.

LITERATURE. — EDIT 2010: Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 3 specimens, coll. CR.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MNHN. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2013, MN, MD leg., 6 specimens, MZUF. — Valdieri, Pian del Valasco, 1747 m, 44.19608°N, 7.23051°E



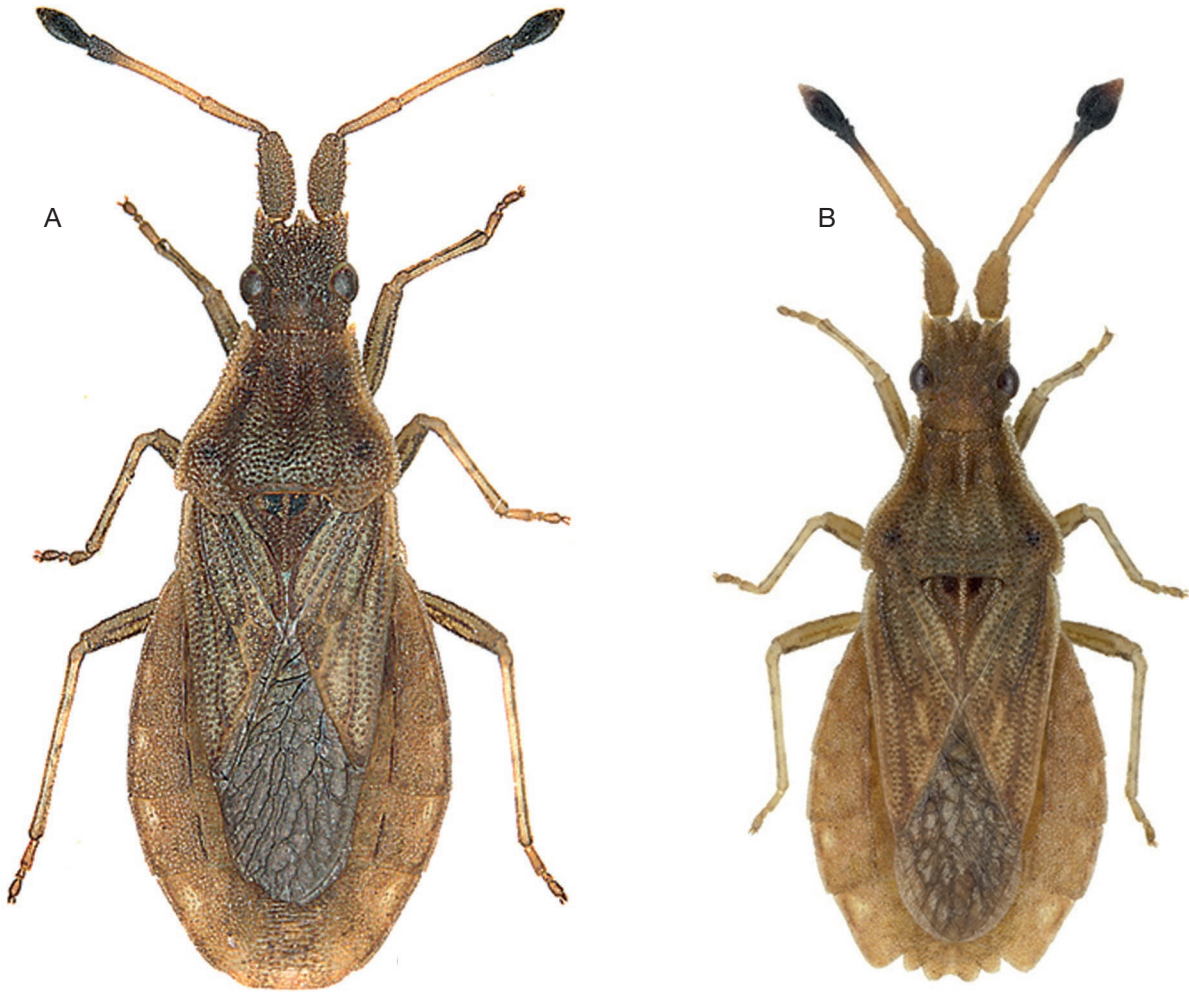


FIG. 9. — Male (A) and female (B) of *Spathocera lobata* (Herrich-Schäffer, 1840). Scale bar: 1 mm. Photo: G. Strauss.

(WGS84), 20.VIII.2013, MN, MD leg., 1 specimen juv., MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 4 specimens, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410° E (WGS84), 09.IX.2013, MN, MD leg., 1 specimen juv., MZUF. — Valdieri, Valasco, 1550 m, 44.204067°N, 7.256410° E (WGS84), 31.VIII.2013, MN, MD leg., 1 specimen juv., MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Coriomeris denticulatus* (Scopoli, 1763)

*Cimex denticulatus* Scopoli, 1763: 125.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E

(WGS84), 27.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

*Spathocera lobata* (Herrich-Schäffer, 1840)  
(Fig. 9)

*Pseudophloeus lobatus* Herrich-Schäffer, 1840: 3, 6.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, coll. PD, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

Family RHOPALIDAE Amyot & Serville, 1843

*Corizus hyosciami hyosciami* (Linnaeus, 1758)

*Cimex hyosciami* Linnaeus, 1758: 447.

LITERATURE. — Mancini (1963 [sub *Corizus hyosciami*]): Colle di Tenda.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1740 m, 44.17446°N, 7.2672°E (WGS84), 07.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1550 m, 44.204067°N, 7.256410°E (WGS84), 31.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MNHN. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014 MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Myrmus miriformis miriformis* (Fallén, 1807)

*Coreus miriformis* Fallén, 1807: 60.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF.

CHOROTYPE. — Sibero-European.

*Rhopalus (Rhopalus) parumpunctatus* Schilling, 1829

*Rhopalus parumpunctatus* Schilling, 1829: 53.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2013, MN, MD leg., 2 specimens, MZUF. — Valdieri, Pian del Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 27.VII.2012, MN leg., 2 specimens, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Rhopalus (Rhopalus) subrufus* (Gmelin, 1790)

*Cimex subrufus* Gmelin, 1790: 2168.

LITERATURE. — EDIT 2010: Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB & MN leg., 5 specimens, MZUF, MNHN. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, c. 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 4 specimens, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

*Rhopalus (Rhopalus) conspersus* (Fieber, 1837)

*Coreus conspersus* Fieber, 1837: 350.

LITERATURE. — Mancini (1963): Colle di Tenda.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 5 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Stictopleurus abutilon* (Rossi, 1790)

*Cimex abutilon* Rossi, 1790: 242.

LITERATURE. — Tamanini (1951): Colle di Tenda, "collez. [collection] Paolo Luigioni".

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 5 specimens, MZUF.

CHOROTYPE. — Palaearctic.

*Stictopleurus crassicornis* (Linnaeus, 1758)

*Cimex crassicornis* Linnaeus, 1758: 448.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Valasco, 1500 m, 44.204067°N, 7.256410°E (WGS84), 09.IX.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E

(WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1920 m, 27.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Stictopleurus punctatonervosus* (Goeze, 1778)

*Cimex punctatonervosus* Goeze, 1778: 265.

NEW DATA. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 4 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

Superfamily LYGAEOIDEA Schilling, 1829  
Family BLISSIDAE Stål, 1862

*Ischnodemus quadratus* Fieber, 1837

*Ischnodemus quadratus* Fieber, 1837: 338.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaeartic.

Family CYMIDAE Baeresprung, 1860

*Cymus glandicolor* Hahn, 1832

*Cymus glandicolor* Hahn, 1832: 79.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Asiatic-European.

Family GEOCORIDAE Baeresprung, 1860

*Geocoris (Geocoris) lapponicus* Zetterstedt, 1838  
(Fig. 10)

*Geocoris lapponicus* Zetterstedt, 1838: 266.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.



FIG. 10. — Female of *Geocoris (Geocoris) lapponicus* Zetterstedt, 1838. Scale bar: 1 mm. Photo: G. Strauss.

Family HETEROGASTRIDAE Stål, 1872

*Platyplax salviae* (Schilling, 1829)

*Heterogaster salviae* Schilling, 1829: 85.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Heterogaster cathariae* (Geoffroy, 1785)

*Cimex cathariae* Geoffroy, 1785: 203.

LITERATURE. — Péricart (1999a): Limone Piemonte, A. Servadei leg.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Heterogaster urticae* (Fabricius, 1775)

*Cimex urticae* Fabricius, 1775: 723.



NEW DATA. — Limone Piemonte, VII.1915, G. Mantero leg., 2 specimens, MSNG.

CHOROTYPE. — Palaearctic.

Family ISCHNORYNCHYDAE Stål, 1872

*Kleidocerys resedae* (Panzer, 1797)

*Lygaeus resedae* Panzer, 1797: 20.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 7 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 4 specimens, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 20.VI.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 6 specimens, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 28.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 26.VI.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24-30.VII.2013, Malaise trap, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1920 m, 27.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 30.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 2000 m, 24.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 11 specimenx, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 01.IX.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 4 specimens, MZUF. — Vernante, loc. Palanfré, Malaise trap, 1680 m, 44.2041°N, 7.48709°E (WGS84), 27.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

Family LYGAEIDAE Schilling, 1829

*Lygaeus equestris* (Linnaeus, 1758)

*Cimex equestris* Linnaeus, 1758: 447.

LITERATURE. — Ferrari (1884): “Alpi marittime e Piemonte (Ghiliani, Garbiglietti)”; Noelli (1897b [sub *Eulygaeus equestris*]): Limone Piemonte, Griffini leg.; Colle di Tenda, Nobili leg.

NEW DATA. — Alpi Marittime, V. Ghiliani leg., [sub *Spilostethus equestris*], 1 specimen, MSNG. — Alpi Marittime, VI.76, R. Oberthur leg., [sub *Aphanus phoeniceus*], 2 specimens, MSNG. — Limone Piemonte, VII.1938, G. Mantero leg., [sub *Spilostethus equestris*], 1 specimen, MSNG. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 30.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Lygaeus simulans* Deckert, 1985

*Lygaeus simulans* Deckert, 1985: 277.

LITERATURE. — Dioli *et al.* (1994): Limone Piemonte, 28.VIII.1952, 3 specimens, coll. AS; San Giacomo di Entracque, 12.VII.1964, 3 specimens, MSNV; San Giacomo di Entracque, 1400-2000 m, VII.1966, 5 specimens, MSNV; San Giacomo di Entracque, 1500 m, 03.IX.1971, 1 specimen, MSNV; Colle di Tenda, 27.VII.1963, 1 specimen, MSNM; Limone Piemonte, 28.VII.1930, 1 specimen, MZR; Limone Piemonte, 20.VII.1963, 1 specimen, MSNM; Valle Gesso, Soria Reatreat, 1800 m, VII.1974, 4 specimens, MSNV.

NEW DATA. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European.

*Melanocoryphus albomaculatus* (Goeze, 1778)

*Cimex albomaculatus* Goeze, 1778: 264.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European-Mediterranean.

*Tropidothorax leucopterus* (Goeze, 1778)

(Fig. 11)

*Cimex leucopterus* Goeze, 1778: 264.

NEW DATA. — Alpi Marittime, VI.74, R. Oberthur leg., [sub *Lygaeus leucopterus*], 1 specimen, MSNG. — Alpi Marittime, VI.76, R. Oberthur leg., 1 specimen, MSNG.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

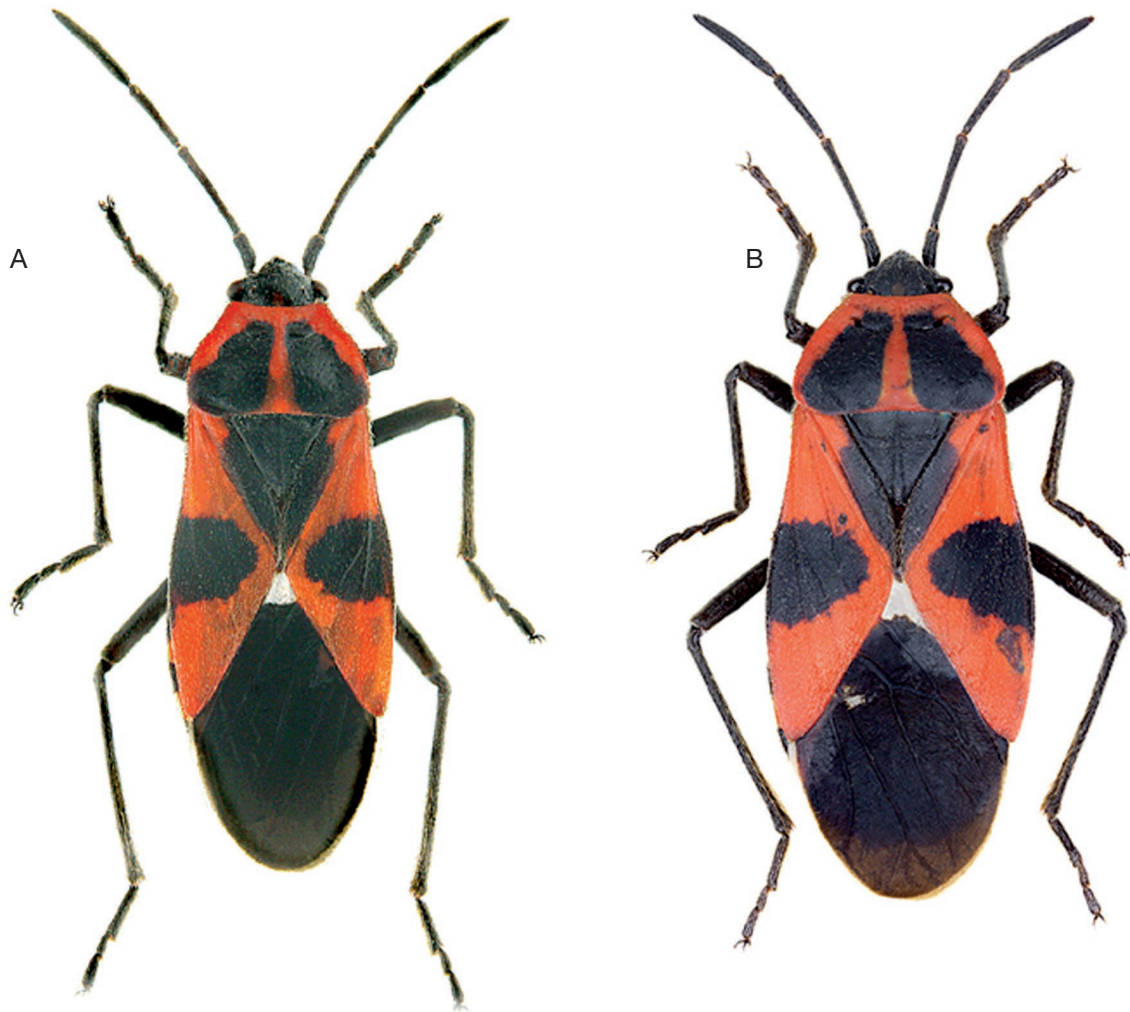


Fig. 11. — Male (A) and female (B) of *Tropidothorax leucopterus* (Goeze, 1778). Scale bar: 1 mm. Photo: G. Strauss.

*Spilostethus saxatilis* (Scopoli, 1763)

*Cimex saxatilis* Scopoli, 1763: 128.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, VIII.92, Doderò leg., 1 specimen, MSNG. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 21.VI.2013, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 2 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 27.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 3 specimens, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Spilostethus pandurus* (Scopoli, 1763)

*Cimex pandurus* Scopoli, 1763: 126.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Subcosmopolitan.

Family ORSILLIDAE Stål, 1872

*Nithecus jacobaeae* (Schilling, 1829)

*Heterogaster jacobaeae* Schilling, 1829: 87.

NEW DATA. — Colle di Tenda, 1900 m, 07.VI.2001, A. Carapezza leg., 2 ♂, 3 ♀, coll. AC. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 6 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 2020 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Colle dell'Arpione,

1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 05.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 08.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 30.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Nysius cymoides* (Spinola, 1837)

*Artheneis cymoides* Spinola, 1837: 252.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Nysius graminicola* (Kolenati, 1845)

*Corizus ericae* var. *graminicola* Kolenati, 1845: 21.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Nysus thymi thymi* (Wolff, 1804)

*Lygaeus thymi* Wolff, 1804: 149.

NEW DATA. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 8 specimens, MZUF, MNHN. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Ortholomus punctipennis* (Herrich-Schäffer, 1838)

*Heterogaster punctipennis* Herrich-Schäffer, 1838: 75.

NEW DATA. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

Family OXYCARENIDAE Stål, 1862

*Macroplax preysleri* (Fieber, 1837)

*Oxycareus preysleri* Fieber, 1837: 343.

NEW DATA. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — European.

Family RHYPAROCHROMIDAE Amyot & Serville, 1843

*Acompus pallipes* (Herrich-Schäffer, 1834)

*Pachymerus pallipes* Herrich-Schäffer, 1834: 2.

LITERATURE. — Péricart (1998 [sub *Acompus pallipes*]): Limone Piemonte, MSNV.

CHOROTYPE. — Turano-European-Mediterranean.

*Drymus (Sylvadrymus) sylvaticus* (Fabricius, 1775)

*Cimex sylvaticus* Fabricius, 1775: 722.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

*Emblethis verbasci* (Fabricius, 1803)

*Lygaeus verbasci* Fabricius, 1803: 235.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

CHOROTYPE. — Turano-European-Mediterranean.

*Gastrodes grossipes grossipes* (De Geer, 1773)

*Cimex grossipes* De Geer, 1773: 308.

LITERATURE. — Mancini (1963 [sub *Gastrodes grossipes*]): Colle di Tenda.

CHOROTYPE. — Asiatic-European.

*Ligyrocoris sylvestris* (Linnaeus, 1758)

*Cimex sylvestris* Linnaeus, 1758: 449.

NEW DATA. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 2 specimens, MZUF.



CHOROTYPE. — Holarctic.

*Peritrechus geniculatus* (Hahn, 1832)

*Pachymerus geniculatus* Hahn, 1832: 68.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 4 specimens, MZUF. — Vernante, loc. Palanfré, 1670 m, 44.2041°N, 7.48709°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré 1635 m, 44.187716°N, 7.492824°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF, MNHN.

CHOROTYPE. — Palaearctic.

*Peritrechus gracilicornis* Puton, 1877

*Peritrechus gracilicornis* Puton, 1877: 117.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

*Pterotmetus staphyliniformis* (Schilling, 1829)

*Pachymerus staphyliniformis* Schilling, 1829: 77.

LITERATURE. — EDIT 2010: Entracque, Torrente Bousset, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

NEW DATA. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque (CN), Fus Carbonaro, 1000 m, 22.VI.2014 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Rhyparochromus phoeniceus* (Rossi, 1794)

*Cimex phoeniceus* Rossi, 1794: 54.

LITERATURE. — EDIT 2010: Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR; Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 2 specimens, coll. CR.

NEW DATA. — Alpi Marittime, VI.76, R. Oberthur leg., [sub *Aphanus phoeniceus*], 1 specimen, MSNG. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Pian del Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 27.VII.2012, MN leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European-Mediterranean.

*Rhyparochromus pini* (Linnaeus, 1758)

*Cimex pini* Linnaeus, 1758: 448.

LITERATURE. — EDIT 2010: Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 28.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1650 m, 44.19694°N, 7.4838°E (WGS84), 26.IX.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 4 specimens, MZUF. — Vernante, loc. Palanfré, Vilazzo lake, 1840 m, 44.16689°N, 7.49876°E (WGS84), 15.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Raglius alboacuminatus* (Goeze, 1778)

*Cimex alboacuminatus* Goeze, 1778: 266.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR; Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 4 specimens, coll. CR.

CHOROTYPE. — Holarctic.

*Raglius confusus* (Reuter, 1886)

*Pachymerus confusus* Reuter, 1886: 121.

NEW DATA. — Alpi Marittime, V. Ghiliani leg., [sub *Aphanus confusus*], 1 specimen, MSNG.

CHOROTYPE. — Turano-European-Mediterranean.

*Scolopostethus thomsoni* Reuter, 1875

*Scolopostethus thomsoni* Reuter, 1875a: 562.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Holarctic.

*Trapezonotus (Trapezonotus) arenarius*  
(Linnaeus, 1758)

*Cimex arenarius* Linnaeus, 1758: 448.

LITERATURE. — EDIT 2010: Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 2 specimens, coll. CR.

CHOROTYPE. — Palaearctic.

*Trapezonotus (Trapezonotus) desertus*  
Seidenstucker, 1951

*Trapezonotus desertus* Seidenstucker, 1951: 79.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, 3 juv., MZUF.

CHOROTYPE. — Holarctic.

Superfamily PYRRHOCOREOIDEA Southwood, 1956  
Family PYRRHOCORIDAE Fieber, 1860

*Pyrrhocoris apterus* (Linnaeus, 1758)

*Cimex apterus* Linnaeus, 1758: 557.

NEW DATA. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

Superfamily PENTATOMOIDEA Reuter, 1910  
Family CYDNIDAE Billberg, 1820

*Canthophorus impressus* (Horváth, 1881)

*Sehirus impressus* Horváth, 1881: 184.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Legnotus limbosus* (Geoffroy, 1785)

*Cimex limbosus* Geoffroy, 1785: 217.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

CHOROTYPE. — Turano-European-Mediterranean.

*Legnotus picipes* (Fallén, 1807)

*Cydnus picipes* Fallén, 1807: 54.

NEW DATA. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Tritomegas rotundipennis* (Dohrn, 1862)

*Sehirus rotundipennis* Dohrn, 1862: 211.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — South-European.

Family PENTATOMIDAE Leach, 1815

*Aelia acuminata* (Linnaeus, 1758)

*Cimex acuminatus* Linnaeus, 1758: 446.

NEW DATA. — Colle di Tenda, 1900 m, 07.VI.2001, A. Carapezza leg., 1 ♀, coll. AC. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MNHN. — Entracque, loc. Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 21.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 23.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1650 m, 44.19694°N, 7.4838°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1730 m, 06.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1780 m, 44.198119°N, 7.478328°E (WGS84), 21.VIII.2014, MN, MD leg., 2 specimens juv., MZUF.

CHOROTYPE. — Palaearctic.

*Aelia klugii* Hahn, 1833  
(Fig. 12)

*Aelia klugii* Hahn, 1833: 122.

NEW DATA. — Colle di Tenda, 1900 m, 07.VI.2001, A. Carapezza leg., 5 ♀, coll. AC. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1920 m, 44.199977°N, 7.474896°E (WGS84), 26.VI.2014, MN, MD, 3 specimens, MZUF, coll. PD.

CHOROTYPE. — Palaearctic.

*Aelia rostrata rostrata* Boheman, 1852

*Aelia rostrata rostrata* Boheman, 1852: 50.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-European-Mediterranean.

*Carpocoris melanocerus* (Mulsant & Rey, 1852)

*Pentatoma melanocerus* Mulsant & Rey, 1852: 109.

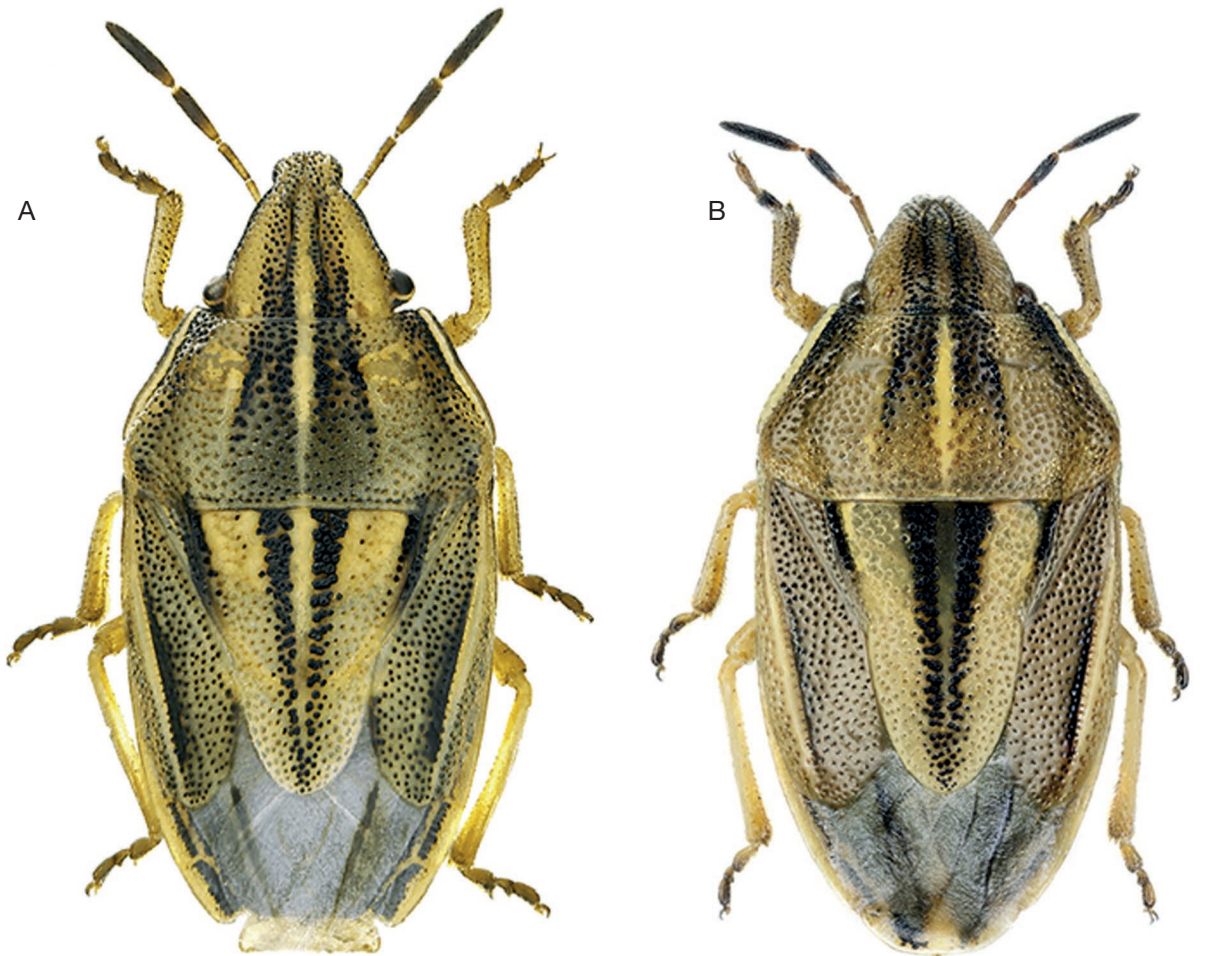


FIG. 12. — Male (A) and female (B) of *Aelia klugi* Hahn, 1833. Scale bar: 1 mm. Photo: G. Strauss.

NEW DATA. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 7 specimens, MZUF, MNHN. — Valdieri, Sant'Anna di Valdieri, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 28.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1625 m, 44.19503°N, 7.49107°E (WGS84), 17.VIII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1650 m, 26.IX.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1730 m, 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1920 m, 44.199977°N, 7.474896°E (WGS84), 26.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

### *Carpocoris purpureipennis* (De Geer, 1773)

*Cimex purpureipennis* De Geer, 1773: 258.

NEW DATA. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Palaearctic.

### *Dolycoris baccarum* (Linnaeus, 1758)

*Cimex baccarum* Linnaeus, 1758: 445.

NEW DATA. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Limone Piemonte, Gias della Perla, La Perla small lake, 2036 m, 44.1542°N, 7.6183°E (WGS84), 27.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 4 specimens, MZUF, MNHN. — Limone Piemonte, La Perla, 2000 m, 44.15528°N, 7.1753°E (WGS84), 11.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 22.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 09.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 24.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m,





Fig. 13. — *Eurydema fieberi* Fieber, 1837. Scale bar: 2 mm. Photo: S. Bambi.

44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 17.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1920 m, 44.199977°N, 7.474896°E (WGS84), 26.VI.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Eurydema fieberi* Fieber, 1837  
(Fig. 13)

*Eurydema fieberi* Fieber, 1837: 353.

NEW DATA. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Centralasiatic-European-Mediterranean.

REMARK

This record is interesting because this species normally lives at lower altitudes. Dusoulier (pers. com.) also found it once at 1750 m, in the Southern Alps. Usually, its twin species *E. rotundicollis* (Dohrn, 1860) can be found above 1500 m

in this part of the Alps. Indeed, in the Italian Central Alps (e.g.) it was found at 1425 m on Brassicaceae, near the Livrio stream, Sondrio Province (Dioli 1974), while the twin species *E. rotundicollis* was quoted in the high mountains of the same area, at about 2000 m: “Lombardy: Sondrio, Arigna, Ghiacciaio delle Fasciere” (Mancini 1959).

*Eurydema oleracea* (Linnaeus, 1758)

*Cimex oleraceus* Linnaeus, 1758: 446.

NEW DATA. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF. — Valdieri, Colle dell’Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 30.VII.2013, MN, MD leg., 1 specimen, MZUF. — Valdieri, Sant’Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 17.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 3 specimens, MZUF, MNHN.

CHOROTYPE. — Sibero-European.

*Eysarcoris venustissimus* (Schrank, 1776)

*Cimex venustissimus* Schrank, 1776: 80.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 7 specimens, MZUF, MNHN.

CHOROTYPE. — Turano-European-Mediterranean.

*Graphosoma italicum italicum* (O. F. Müller, 1766)

*Cimex italicus* O. F. Müller, 1766: 190.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell’Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Valdieri, Sant’Anna di Valdieri, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, MN leg., 2 specimens, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 21.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 1 specimen, MNHN.

CHOROTYPE. — Palaearctic.

*Holcostethus (Holcostethus) sphaelatus*  
(Fabricius, 1794)

*Cimex sphaelatus* Fabricius, 1794: 120.

NEW DATA. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 2 specimens, MZUF.

CHOROTYPE. — Europeo-Mediterranean.

*Neottiglossa pusilla* (Gmelin, 1790)

*Cimex pusillus* Gmelin, 1790: 2160.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Sibero-European.

*Palomena prasina* (Linnaeus, 1761)

*Cimex prasinus* Linnaeus, 1761: 249.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 29.VII.2015, LB & MN leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Valdieri, Terme di Valdieri, La Valletta, 1550 m, 44.19083°N, 7.26778°E (WGS84), 17.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1600 m, 44.19503°N, 7.49107°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Pentatoma rufipes* (Linnaeus, 1758)

*Cimex rufipes* Linnaeus, 1758: 443.

NEW DATA. — Entracque, Fus Carbonaro, 1360 m, 44.23738°N, 7.38143°E (WGS84), 21.VII.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 2 specimens, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 1 specimen, MNHN. — San Giacomo di Entracque, Prà del Rasur, 1500 m, 44.17261°N, 7.39636°E (WGS84), 05.IX.2003, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1770 m, 44.2694°N, 7.30712°E (WGS84), 22.VII.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian del Valasco, 1700 m, 44.19608°N, 7.23051°E (WGS84), 27.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri,



FIG. 14. — Female of *Sternodontus obtusus* Mulsant & Rey, 1856. Scale bar: 1 mm. Photo: G. Strauss.

980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1679 m, 44.2041°N, 7.48709°E (WGS84), 27.VII.2013, MN, MD leg., 1 juv., MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Peribalus (Peribalus) strictus vernalis*  
(Wolff, 1804)

*Cimex vernalis* Wolff, 1804: 140.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 1 specimen, MZUF. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 28.VI.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84) 15.VII.2014, MN, MD leg., 2 specimens, MZUF. — Valdieri, Valscura inferior lake, 2260 m, 44.19861°N, 7.20833°E (WGS84), 27.VII.2012, MN leg., 1 specimen, MZUF. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Picromerus bidens* (Linnaeus, 1758)

*Cimex bidens* Linnaeus, 1758: 443.

NEW DATA. — Valdieri, Valasco, 1550 m, 44.204067°N, 7.256410°E (WGS84), 31.VIII.2013, MN, MD leg., 2 specimens, MZUF.

CHOROTYPE. — Holarctic.

*Sciocoris (Sciocoris) cursitans cursitans*  
(Fabricius, 1794)

*Naucoris cursitans* Fabricius, 1794: 67.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 2 specimens, coll. CR; Entracque, Valle delle Rovine, 1733 m, 30.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 2 specimens, coll. CR.

NEW DATA. — Valdieri, Pian della Casa, 1650 m, 44.17446°N, 7.2672°E (WGS84), 7-16.VIII.2013, Malaise trap, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 17.VI.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1635 m, 44.187716°N, 7.492824°E (WGS84), 11.VII.2013, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 3 specimens, MZUF. — Vernante, loc. Palanfré, 1680 m, 44.2041°N, 7.48709°E (WGS84), 25.VII.2014, MN, MD leg., 5 specimens, MZUF. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 13.VI.2014, MN, MD leg., 2 specimens, MZUF, MNHN. — Vernante, loc. Palanfré, Gias Garbella, 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.

*Sciocoris (Aposciocoris) homalonotus* Fieber, 1851

*Sciocoris homalonotus* Fieber, 1851: 448.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 22.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1580 m, 44.19503°N, 7.49107°E (WGS84), 03.VII.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, Fus Carbonaro, 950 m, 44.24899°N, 7.38166°E (WGS84), 06.VII.2014, MN, MD leg., 1 specimen, MZUF. — Limone Piemonte, La Perla, 1650 m, 44.17084°N, 7.61385°E (WGS84), 15.VII.2014, MN, MD leg., 3 specimens, MZUF, coll. PD. — Vernante, loc. Palanfré (Garbella), 1650 m, 44.19694°N, 7.4838°E (WGS84), 19.VI.2014, MN, MD leg., 3 specimens, MZUF, coll. PD.

CHOROTYPE. — Turano-Europeano-Mediterranean.

*Sternodontus obtusus* Mulsant & Rey, 1856  
(Fig. 14)

*Sternodontus obtusus* Mulsant & Rey, 1856: 120.

NEW DATA. — Valdieri, Colle dell'Arpione, 1750 m, 44.27762°N, 7.30121°E (WGS84), 30.VI.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Colle dell'Arpione, 1636 m, 44.27444°N, 7.30426°E (WGS84), 22.VII.2013, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — South-European.

*Troilus luridus* (Fabricius, 1775)

*Cimex luridus* Fabricius, 1775: 701.

NEW DATA. — Valdieri, Gias della Casa, pebble ponds and Gesso della Valletta stream, c. 1675 m, 44.174°N, 7.267°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Asiatic-European.

Family SCUTELLERIDAE Leach, 1815

*Eurygaster austriaca austriaca* (Schrank, 1776)

*Cimex austriacus* Schrank, 1776: 78.

LITERATURE. — Griffini (1893 [sub *Eurygaster nigro-cucullatus* (Goeze, 1778)]): Valdieri, Ghiliani leg.

NEW DATA. — Vernante, loc. Palanfré, 1920 m, 44.199977°N, 7.474896°E (WGS84), 26.VI.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 2120 m, 44.19726°N, 7.47119°E (WGS84), 27.VIII.2014, MN, MD leg., 1 specimen, MZUF. — Vernante, loc. Palanfré, 1800 m, 44.198119°N, 7.478328°E (WGS84), 30.VIII.2014, MN, MD leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

*Eurygaster dilaticollis* Dohrn, 1860

*Eurygaster dilaticollis* Dohrn, 1860: 100.

LITERATURE. — EDIT 2010: Entracque, Bousset stream, Porcera bridge, 1083 m, 29.V-3.VII.2008, K. Wolf-Schwenninger & H. Schwenninger leg., 1 specimen, coll. CR.

CHOROTYPE. — Sibero-European.

*Eurygaster maura* (Linnaeus, 1758)

*Cimex maurus* Linnaeus, 1758: 441.

LITERATURE. — Griffini (1893 [sub *Eurygaster maurus*]): Valdieri, Ghiliani leg.

NEW DATA. — Entracque, Fus Carbonaro, 1000 m, 44.250810°N, 7.377315°E (WGS84), 21.VI.2014, MN, MD leg., 2 specimens, MZUF. — Entracque, S of Suffiet bridge, Bousset stream and right tributary, 1185 m, 44.1925°N, 7.4466°E (WGS84), 28.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Turano-Europeano-Mediterranean.

*Eurygaster testudinaria* (Geoffroy, 1785)

*Cimex testudinarius* Geoffroy, 1785: 195.

NEW DATA. — Entracque, Fus Carbonaro, 900 m, 44.24899°N, 7.38166°E (WGS84), 02.IX.2014, MN, MD leg., 1 specimen, MZUF. — Valdieri, Pian della Casa, 1700 m, 44.17446°N, 7.2672°E (WGS84), 26.VII.2012, MN leg., 1 specimen, MZUF. — Valdieri, Sant'Anna di Valdieri, Gesso della Valletta stream, 980 m, 44.2433°N, 7.3228°E (WGS84), 26-29.VII.2015, LB, FC, PD, MD, MN, SR, FT leg., 1 specimen, MZUF.

CHOROTYPE. — Palaearctic.



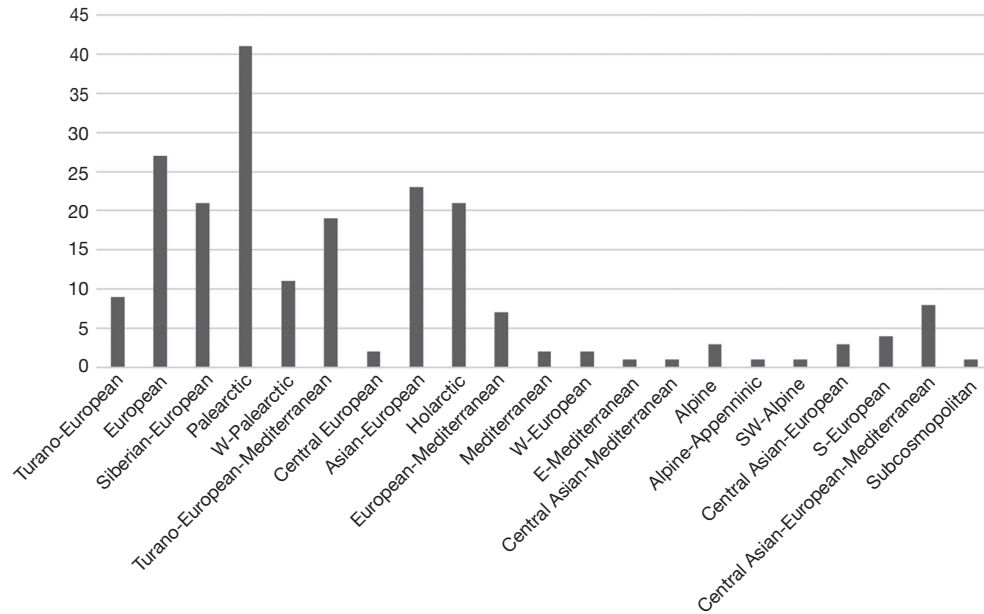


FIG. 15. — Chorotypes related to the species of Heteroptera located in the study area.

## CHOROTYPE ANALYSIS

Chorotype analysis of all the considered species is shown in Figure 15. It is evident that the Holarctic and European widely-distributed components are prevalent if compared to the Mediterranean one, which is very limited. In fact, the most represented chorotypes are Palearctic (41 spp.), European (26 spp.), Asian-European (24 spp.) and Holarctic (22 spp.); strictly Mediterranean components are only two: Mediterranean (2 spp.) and East-Mediterranean (1 sp.) chorotypes.

Chorotypes were assigned to the widely distributed groups suggested by Vigna Taglianti *et al.* (1993, 1999); endemic components and cosmopolitan/subcosmopolitan elements were considered separately and treated as two further groups. The categories are: 1) widely distributed chorotypes in the Holarctic region; 2) widely distributed chorotypes in Europe; 3) widely distributed chorotypes in the Mediterranean basin; 4) Italian endemic elements; and 5) cosmopolitan and subcosmopolitan elements. Regarding the widely distributed Holarctic chorotypes, the most represented is the Palearctic one, representing 25%. Among the widely distributed chorotypes in Europe, the European elements are the most represented (76%). Finally, the Mediterranean component, less represented but very significant, is composed by two species with Mediterranean distribution and one with Eastern-Mediterranean distribution. The endemic elements are represented by three species limited to the Alps (*Stenodema algoviense*, *Acalypta visolensis visolensis*, and *Horwathia lineolata*), one extending to the Apennines (*Velia currens*), and an element confined to the south-western sector of the Alps: the Maritime Alps (*Dimorphocoris ruffoi*).

## GENERAL DISCUSSION

This paper provides the first annotated checklist of the Hemiptera Heteroptera of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (IT1160056). With the present data, 146 species are added to the preliminary list obtained from literature, bringing the total number of Heteroptera species from 62 to 208, belonging to 135 genera and 25 families. The increase was, therefore, significant (230%). The family with the highest number of species is Miridae, with 90 species, which exactly reflects the proportion within Heteroptera at the Italian level; then Pentatomidae (20 spp.), Rhyparochromidae (15 spp.) and Lygaeidae *sensu stricto* (20 spp.). The other families include a lower number of species (< 10 spp.).

Research on Hemiptera Heteroptera was also conducted in the adjacent Mercantour National Park and a database including 234 species exists (EDIT 2010). However, at the moment it is not possible to easily compare the two protected areas because of the difference of surface and habitats present on the two slopes of the Maritime Alps, and also for the different sampling efforts and techniques used.

Considerations on the heteropteran fauna of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” follow. Concerning the aquatic component *sensu lato*, which comprises the infraorders Gerromorpha, Nepomorpha and Leptopodomorpha (see Polhemus & Polhemus 2008), in the study area the diversity is rather low for Gerromorpha (2 spp.) and Nepomorpha (3 spp.), while it is significant for Leptopodomorpha, with 9 species of Saldidae.

The cryophilic component, typically alpine (*Arctocoris carinata*, *Macrosaldula scotica*, *Saldula orthochila*, *Salda henschii*) or less cryophilic, mainly distributed at high altitude (*Gerris*

*costae*, *Velia currens*, *Saldula c-album*) are prevalent. There are also some eurythermic species (*Sigara lateralis*, *Notonecta viridis*, *Saldula saltatoria*) and other euryecious species, more common at low altitudes (*Chartoscirta cocksi*, *Macrosaldula variabilis*, *Saldula arenicola*, *Saldula melanoscela*) are present too. On the contrary, more thermophilic elements, typically Mediterranean (cf. Cianferoni *et al.* 2013), are absent. To confirm these results it is important to mention the absence of two very common aquatic species, also easily detectable: *Hydrometra stagnorum* (Linnaeus, 1758) from Gerromorpha, and *Nepa cinerea* Linnaeus, 1758 from Nepomorpha, that are most likely limited by the average low temperatures of the studied area. The altitudinal limit of such species in northern Italy is close to the lowest elevations present in the study area (cf. Bacchi & Rizzotti Vlach 2005, 2007). It is still possible that further research, especially at these altitudes, could lead to their discovery in the studied area. Concerning *Gerris costae* two subspecies are reported in Italy: *G. costae costae* (Herrich-Schäffer, 1850) which tends to be more alpine, and *G. costae fieberi* Stichel, 1938 which lives at low altitude. Their taxonomic status and distribution, however, is not yet very clear (see Cianferoni 2011 for a bibliographic summary; cf. Damgaard *et al.* 2014). Studies were performed on mitochondrial DNA and small differences were detected between the two entities, but the issue has not yet been finally resolved (cf. Damgaard 2006; Damgaard *et al.* 2014). Therefore, we prefer to consider the species *sensu* Cianferoni (2011) without indicating the subspecies. *Arctocoris carinata* is another typical alpine species. This taxon has a Boreo-alpine distribution, and has a Sibero-European chorotype (cf. Vigna Taglianti *et al.* 1993, 1999); the species has a nearly continuous distribution in northern Europe. There are also three isolated populations in the southern alpine regions, defined as glacial relicts: in the Pyrenees, in the Alps and in the Balkans (Jansson 1986). The species can be found in Italy throughout the Alpine region: Liguria, Piedmont, Aosta Valley, Lombardy, Trentino-Alto Adige, and Veneto (Mancini 1963, Bacchi & Rizzotti Vlach 2005, 2007) and there are some populations in the glacial lakes of the northern Apennines (Cianferoni & Terzani 2013). Although its occurrence would have been highly probable, this species had not been found yet in the Maritime Alps Nature Park.

*Salda henschii* was recently recorded for the first time in Italy (Cianferoni *et al.* 2017). This taxon belongs to a group of Saldidae which are strictly boreo-montane. It is mainly restricted to the mountains of central Europe, with some populations in southern Scandinavia; in the Arctic region the species is replaced by the congeneric *Salda sahlbergi* Reuter, 1875, which lives further north. The southern distribution limit of *S. henschii* was until now in Austria and Switzerland, with some apparently relict stations in the Alps (Lindskog 1991); its discovery in the Maritime Alps was completely unexpected and therefore rather exceptional. A closely related species, *Salda littoralis* (Linnaeus, 1758), is also present in Italy. Péricart (1990) writes that this taxon is present “seulement dans l’arc alpin, mais non dans les Alpes Maritimes” [= only in the alpine arc, but not in the Maritime Alps]. To date this species was not detected in the area, where it could be replaced by the congener *S. henschii*.

*Saldula orthochila* is also an interesting species. The northern limit of its distribution is the Arctic Circle, while in the south it reaches the northern sector of the Mediterranean region where, however, is present only in the mountains (Péricart 1990). Therefore in Italy it can be considered as a typical alpine species.

An important endemic species found during this research was *Dimorphocoris ruffoi* Tamanini, 1971. It is an endemic Italian Miridae, confined to the Maritime Alps. The *locus typicus* (Tamanini 1971) is the Mount Mandolè (which falls outside the studied area), but it was found later, also near the Refuge Soria (Tamanini 1976), inside the protected area. It is a vicariant species with the similar *Dimorphocoris gallicus* Wagner, 1957, which lives in the near Mercantour National Park (EDIT 2010). Members of *Dimorphocoris* Reuter, 1890, because of wing polymorphism (winged males or sometimes wingless, and females always wingless) suffer of a remarkable isolation, especially in the Alps, where valleys and mountain ranges are often insuperable barriers.

Another Mirid that deserves to be remembered is *Orthocephalus coriaceus* (Fabricius, 1777). It was considered doubtful for Italy in the last published checklist (Faraci & Rizzotti Vlach 1995) and recently confirmed by Carapezza & Faraci (2005, 2007) and found also in the studied area after this entomological survey. This species was found in the investigated areas, with a few specimens, in an alpine meadow above the village of Palanfrè, at an altitude of about 1700 metres. *Orthocephalus coriaceus* is a widespread species throughout Europe, and it is also quoted for North Africa. It is typically found in open and xerophilous areas, where it feeds on several Asteraceae Martinov, 1820 and occasionally on plants belonging to families Lamiaceae Martinov, 1820 and Rubiaceae Jussieu, 1789. This insect attacks the leaves of the host plant, and also the stem, inside which it lays its eggs. It overwinters as egg, and adults begin to appear in mid-June, remaining active until late July-early August (Wagner 1970).

*Dicyphus annulatus* (Wolff, 1804) is another interesting species; it is a sporadic Mirid which lives in Italy in the northern regions: there are reliable data only for Piedmont, Lombardy, and Liguria (Dioli 1997), but its distribution needs to be confirmed after its separation from *Dicyphus ononidis* Wagner, 1951.

Among the remarkable taxa we can also count the Pentatomidae *Sternodontus obtusus* Mulsant & Rey, 1856. This species was until now considered rare in Europe, with a few specimens in reference collections, since for a long time its host plant has been unknown. Lupoli (1994) reports the discovery of its host plant, *Laserpitium gallicum* (Apiaceae), which hosts eggs, nymphs and adults. This finding allowed us to understand the difficulties previously encountered in finding this species. In particular: mimicry of nymphs and adults, which can be confused with the seeds of *Laserpitium* L., as both share the same brown coloration; feeding period of adults limited to only three weeks approximately, that is in the same time of the development of the host plant seeds, which represent their main source of food. Moreover, the production of seeds may vary between mid-June and mid-September depending on the

areas, altitude and climate. During this study, *Sternodontus obtusus* was found for the first time in the summer of 2013. The discovery was made at Colle dell'Arpione (Valdieri), at an altitude of about 1750 metres. During the entomological survey in 2014 the research went on in the same area in order to confirm the presence of the species and gather new data, and two specimens were found. However, *Laserpitium gallicum* L., the host plant of this shield bug, has not been found in the investigated area. In that area was instead very abundant the Pig-Nut, *Bunium bulbocastanum* L. (Apiaceae), an heliophilous and mesoxerophilous plant typical of pastures and dry meadows on limestone substrate. Therefore it is very likely that this could be another host species for this shield bug. This observation, however, has still to be verified through further investigations. *Sternodontus obtusus* was reported for the South of France in the 1990s, while in Italy a small number of locations are known known: Cavriana in Lombardia (Péricart 2010) and San Giorio di Susa (P. Dioli, unpublished data); other findings cited in the literature (Servadei 1967; Péricart 2010) date back more than fifty years ago and several are very old records. For this reason, the data of Colle dell'Arpione (Valdieri) has to be considered of importance. Further research would be needed to check in detail the current presence of this species, in the studied area.

Among the species found, others deserve to be mentioned as they represent interesting entities of the alpine horizon: *Geocoris lapponicus* Zetterstedt, 1838 (Geocoridae) (Fig. 10), *Ligyrocoris sylvestris* (Linnaeus, 1758) and *Trapezonotus desertus* Seidenstucker, 1951 (Rhyparochromidae), *Calocoris affinis* (Herrich-Schäffer, 1835) and *Calocoris alpestris* (Meyer-Dür, 1843) (Miridae), *Carpocoris melanocerus* (Mulsant & Rey, 1852) (Pentatomidae), and *Canthophorus impressus* (Horváth, 1881) (Cydnidae).

Some general considerations after the chorotype analysis can be done. The Maritime Alps, due to their geographical position relatively close to the sea, show a very important Mediterranean vegetation component. This condition occurs because typically Mediterranean vegetation “rises up” to higher altitudes (Gallino & Pallavicini 2000). Concerning the entomofauna, in particular the heteropteran component of the studied area, and in general of the Maritime Alps, it can be noticed that the continental component is prevalent, with several species having a Holarctic and European distribution, but it is important to highlight that there are also Mediterranean species (3), even if their number is much lower than that of plants. All the Mediterranean species belong to the Miridae family: the strictly Mediterranean species are *Adelphocoris vandalicus* (Rossi, 1790) and *Pachytomella passerinii* (A. Costa, 1842), whereas *Closterotomus annulus* (Brullé, 1832) is confined in the eastern Mediterranean.

Among the species previously cited, it is important to remark the presence of some endemic elements. First of all, *Dimorphocoris ruffoi*, an endemic of the Maritime Alps. Moreover, three endemics of the Alps are present, *Stenodema algoviense* (Schmidt, 1934), *Acalypta visolensis visolensis* Péricart, 1976, and *Horwathia lineolata* (A. Costa, 1852). Another endemic species is *Velia currens*, whose distribution includes the Alps and the Appennines, up to the mountains of Calabria, in Italy (Cianferoni & Mazza 2012; Cianferoni & Santini 2012).

It is important also to remark the presence of three recently described mirid species – *Dimorphocoris poggii* Carapezza, 2002, *Cremnocephalus matocqi* Magnien, 2000, and *Plinththis heteroclitus* Matocq & Pluot-Sigwalt, 2013, which are considered endemic for the Ligurian Alps.

In the examined literature further two species, that we decided not to include in the checklist, are quoted. The first case is *Peirates hybridus* (Scopoli, 1763), belonging to the family Reduviidae. This species was reported by Noelli (1897a) for the locality “Colle delle Finestre”. It was not possible to verify whether it is a name which falls in the studied area, or if it refers to the same locality in the Susa Valley (Turin). Therefore, this species has been excluded from the list. The second doubtful case is related to *Himacerus (Stalia) boops* Schiödte, 1870, reported by Servadei (1957). There are no further records of this species for Italy, and we did not find it during the research. The records of the last century (Stichel 1959, 1960), then quoted by Servadei (1967), were not confirmed by the following reviews (Faraci & Rizzotti Vlach 1987, Péricart 1987). They can be therefore interpreted as misidentifications: the record probably refers to *Nabis flavomarginatus* Scholtz, 1847.

A good knowledge of the biodiversity of a protected area plays a key role in the conservation of nature. Moreover, the development of faunistic studies and the elaboration of species checklists may help stakeholders in the management of natural resources in order to protect them. In this paper we showed the high Heteroptera biodiversity of the Site of Community Importance and Special Area of Conservation “Alpi Marittime”, and we are confident that in this territory more species have still to be discovered.

### Acknowledgements

We wish to thank our friend and colleague Marco Dogliotti, Naturalistic Guide of the Maritime Alps Nature Park, for helping us in the field collections, for the logistic support throughout the research period, and for the photos kindly provided. The work has benefited from the collaboration of the Maritime Alps Nature Park, under the aegis of the project “Piano Integrato Transfrontaliero Marittime-Mercantour”, funded by Alcotra 2007-2013 program; thanks to all the staff of the Maritime Alps Nature Park, and especially to Luca Giraud, Cati Caballo and Laura Martinelli, who gave us the authorisation for the research and for the logistic support. We also warmly thank Luca Bartolozzi, Saverio Rocchi, and Fabio Terzani (MZUF) for their help in the field; Luca Bartolozzi also revised the final version of the manuscript. Saulo Bambi (MZUF) kindly took the photo of *Eurydema fieberi*. Thanks are also due to the entomologists who provided us part of the data, mainly Attilio Carapezza (University of Palermo, Italy) and Roberto Poggi (MSNG). A special thank to Antoine Mantilleri (MNHN) for the translation of the French abstract, and to the referees François Dusoulter (MNHN) and Petr Kment (National Museum, Prague, Czech Republic) for their very useful comments. Finally, we are very grateful to Gerhard Strauss (Biberach, Germany), author of the electronic catalog “Corisa”, for granting us the use of his excellent photos.



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*Submitted on 10 January 2018;  
accepted on 28 September 2018;  
published on 9 July 2019.*