

IOBC / WPRS

Commission "Identification Service of Entomophagous Insects"

OILB / SROP

Commission "Service d'Identification des Insectes Entomophages"

DETERMINATION LIST OF ENTOMOPHAGOUS INSECTS

NR.13

Edited by S. Vidal

**IOBC wprs Bulletin
Bulletin OILB srop**

Vol. 20 (2) 1997

The IOBC/WPRS Bulletin is published by the International Organization for Biological and Integrated Control of Noxious Animals and Plants, West Palaearctic Regional Section (IOBC/WPRS)

Le Bulletin OILB/SROP est publié par l'Organisation Internationale de Lutte Biologique et Intégrée contre les Animaux et les Plantes Nuisibles, section Régionale Ouest Paléarctique (OILB/SROP)

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ISBN 92-9067-087-8

Preface

The 13th identification list presented here gives the results of determinations which were made since 1993 by the Identification Service of Entomophagous Insects of IOBC/WPRS. The efforts and kind cooperation of the participating specialists, who were involved in the specific determinations shown in the list, is greatly appreciated. I wish to thank Dr. H.-P. Tschorasnig, Stuttgart, who identified all the Diptera records and compiled his results for this list.

Specimens of entomophagous Diptera for identification can still be sent to:

Dr. H.-P. Tschorasnig,
Stattliches Museum für Naturkunde
Rosenstein 1
D-70191 Stuttgart
Bundesrepublik Deutschland

All other entomophagous specimens should be sent to:

Dr. S. Vidal
Institut für Pflanzenschutz
Universität Hannover
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D-30419 Hannover
Bundesrepublik Deutschland

The identification service determines, with some rare exceptions, only specimens from the region covered by the West Palearctic Regional Section of IOBC (Europe, Mediterranean Countries, Near East). The names of host or prey of the entomophagous insects must be given. Biological and ecological data concerning the attacked developmental stage of host or rate of parasitism should also be added. Furthermore, host plants are of special interest and should therefore be added when possible. In many cases, this additional information can considerably facilitate identification.

By the identification service the IOBC/WPRS is hoping to provide information on the abundance, host relationships and effectiveness of different entomophagous species. This information might close some gaps in our knowledge of the natural enemies complexes of herbivorous insects and should stimulate further cooperation of ecologists and specialists in biological control.

Dr. S. Vidal
Convener Commission "Identification service of entomophagous insects"

Explanation of the use of the identification list No. 13

The thirteenth identification list is based on the same principles as the preceding ones (see for example: E. HAESELBARTH (ED.): DETERMINATION LIST OF ENTOMOPHAGOUS INSECTS NO. 11 - WPRS Bulletin 1989/XII/7).

In part I ("Parasitoid or Predator") the serial number is followed by the name of the parasitoid or predator. The name of the host or prey arthropod is given in the succeeding line preceded by a blank space. In several cases, the host plant is also given after "on" or "in", which does not refer to the location of the host living at the surface or concealed in the tissue of the plant in every case. This information is followed by the number and sex of the species determined, if known, as well as the collection site, in most cases in the sequence: country, location, province. Country names are abbreviated using the system used for automobiles. Thereafter, the name of the collector is given. Finally the name of the taxonomist is shown in brackets (see the following table for abbreviations). Primary parasitoids as hosts of hyperparasitoids are included in part I under the number of the hyperparasitoids as well as in part II as hosts. In such cases, the succeeding line starts with the name of the primary parasitoid, followed by the primary host. If several hosts for one parasitoid species are listed, the sequence of the host species is strictly alphabetical.

In part II (Host or Prey) the names of the hosts or prey are followed by a corresponding reference number to part I. This is also done for primary hosts as hosts of hyperparasitoids.

In part III (Host Plants) the names of the plants the host were found on are listed in alphabetically sequence.

Abbreviations of determinators:

- C. van Achterberg, Amsterdam (CA)
- R. R. Askew, Manchester (RA)
- V. Assing, Hannover (VA)
- H. Baur, Bern (HB)
- K. Horstmann, Würzburg (KH)
- P.B. Jensen, Aarhus (PJ)
- R. Jussila, Turku (RJ)
- A. Melber, Hannover (AM)
- D. Notton, (DN)
- J. Papp, Budapest (JP)
- P. Stary, Ceske Budejovice (PS)
- H.-P. Tschorasnig, Stuttgart (TS)
- S. Vidal, Hannover (SV)

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Part I - Parasitoid or Predator

Braconidae

1 *Aleiodes gastritor* Thunberg

Lobesia botrana Denis & Schiff. – ♀ e.p., D, Neustadt/Weinstr., leg. K. Schirra (JP)

2 *Aleiodes gastritor* Thunberg

Isturgia limbaria Fbr. on *Sarothamnus scoparius* L. – ♀ D, Köln, Jülich, leg. W. Topp (JP)

3 *Aphaereta falcigera* Graham

Leptocera limosella Fall. - D, Berlin, leg. U. Draeger (JP)

4 *Aphidius colemani* Viereck

Aphis gossypii Glov. on hibiscus – ♀, GR, Athens, leg. D. Lykouressis (PS)

Macrosiphum euphorbiae Thoms. – ♂, ♀, D, Braunschweig, leg. M. Hommes (PS)

Myzus persicae Sulz. – ♂, ♀, GR, Patra, leg. Domma-Petridou (PS)

5 *Aphidius ervi* Haliday

Acyrthosiphon pisum Harr. on lucerne – ♀, GR, Athens, leg. D. Lykouressis (PS)

Dysaphis plantaginea Pass. – ♀, D, Dossenheim, leg. H. Vogt (PS)

6 *Atopandrium loripenne* Graham

Scatella ? stagnalis Fall. - D, Berlin, leg. U. Draeger (JP)

7 *Bracon variegator* Spinola

Earias insulana Boist. – ♀, ES, Cordoba, leg. E. Vargas Osuna (CA)

8 *Centistes cuspidatus* Haliday

Erigone sp., egg-cocoon – ♀, D, Göttingen, leg. A. Dinter (JP)

9 *Chelonus oculator* Panzer

Spodoptera exigua Hbn. – ♀, ES, Cordoba, leg. E. Vargas Osuna (CA)

10 *Colastes flavitarsis* Thomson

Chromatomyia nigra Mg. on *Lolium perenne* L. – ♂, ♀, D, Hamburg, leg. S. Vidal (JP)

- 11 *Cotesia cf. judaica* Papp
Spodoptera exigua Hbn. – ♀, ES, Cordoba, leg. E. Vargas Osuna (CA)
- 12 *Cotesia kazak* Telenga
Helicoverpa armigera Hbn. – ♀, P, Lisbon, leg. Figueiredo (CA)
- 13 *Cotesia plutellae* Kurdjumov
Athetis hospes Freyer on tobacco – ♂, I, Scafati, leg. L. Sannino (JP)
- 14 *Cotesia setebis* Nixon
Eupithecia veratraria H.S. on *Veratrum album* L. – ♀, CH, Col de Mosses, Kt. Waadt, leg. U. Schaffner (JP)
- 15 *Cotesia tibialis* Curtis
Cerastis rubricosa Fbr. on *Verartrum album* L. – ♀, CH, Col de Mosses, Kt. Waadt, leg. U. Schaffner (JP)
Vanessa indica Godart on *Chalcytes* sp. – ♀, ES, Playa de Santiago, La Gomera, Canary Islands, leg. Leipnitz (JP)
- 16 *Dacnusa confinis* Ruthe
Chromatomyia syngenesiae Hardy in glasshouse culture – ♀, D, Insel Reichenau, leg. W. Billen (CA)
Liriomyza huidobrensis Blanchard in glasshouse culture – ♀, D, Insel Reichenau, leg. W. Billen (CA)
- 17 *Dacnusa sibirica* Telenga
Liriomyza huidobrensis Blanchard in glasshouse culture – ♀, D, Insel Reichenau, leg. W. Billen (CA)
- 18 *Diaeretiella rapae* M'Intosh
Myzus nicotianae Blackmann & Spence on tobacco – ♀, GR, Athens, leg. D. Lykouressis (PS)
- 19 *Diolcogaster alvearia* Fbr.
Peribatodes rhomboidaria Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (JP)
Cotesia glomerata L.; host: *Pieris rapae* L. – ♀, SP, Oratava, Canary Islands, leg. J. Lipa (JP)
- 20 *Dolichogenidea laevigata* Ratzeburg
Gypsonoma minutana Hbn. – ♂, ♀, SP, Cordoba, leg. J. Lipa (JP)

21 *Ephedrus persicae* Frogatt

Dysaphis devecta Wlk. – ♀, CH, Conthey, leg. R. Vuignier (PS)

Dysaphis plantaginea Pass. – ♀, CH, Conthey, leg. R. Vuignier (PS)

Dysaphis pyri Fonsc.– ♀, CH, Conthey, leg. R. Vuignier (PS)

22 *Glyptapanteles compressiventris* Muesebeck

Phragmatobia fuliginosa L. – ♀, I, Scafati, leg. L. Sannino (JP)

23 *Glyptapanteles liparidis* Bouché

Lymantria dispar L. – ♂, ♀, D, Baden-Württemberg, leg. Schaaf (JP)

24 *Lysiphlebus cardui* Marshall

Aphis fabae evonymi Fbr. on *Rumex crispus* L. – ♀, D, Hannover, leg. A. Hildebrands (PS)

25 *Lysiphlebus fabarum* Marshall

Aphis fabae cirsiacanthoidis Scop. on *Rumex crispus* L. – ♀, D, Hannover, leg. A. Hildebrands (PS)

Aphis fabae mordwilkowi Börner & Janisch on *Rumex crispus* L. – ♀, D, Hannover, leg. A. Hildebrands (PS)

26 *Macrocentrus bicolor* Curtis

Phyllonorycter scopariella Hein. on *Sarothamnus scoparius* L. – ♀, D, Köln, leg. W. Topp (JP)

27 *Macrocentrus collaris* Spinola

Agrotis ipsilon Hfn. on *Zea mays* L. – ♂, ♀, CH, Chigny, VD, leg. M. Hächler (JP)

28 *Meteorus rubens* Nees

Agrotis ipsilon Hfn. on *Zea mays* L. – ♂, ♀, CH, Chigny, VD; Contone, Gudo, Ti, leg. M. Hächler (JP)

29 *Meteorus versicolor* Wesmael

Ocnogyna baetica Rambur – ♀, SP, Cordoba, leg. J. Lipa (JP)

30 *Microplitis spectabilis* Haliday

Agrotis ipsilon Hfn. on *Zea mays* L. – ♂, ♀, CH, Contone, Gudo, Ti, Gonthey, VS, leg. M. Hächler (JP)

31 *Pholetesor bicolor* Nees

Phyllonorycter robiniella Clemens on *Robinia* sp. – ♂, ♀, I, Strambino, leg. A. Arzone (JP)

32 *Pholetesor circumscriptus* Nees

Phyllonorycter nicellii Stt. on *Corylus avellana* L. – ♀, D, Ahrensburg / SH, leg. S. Vidal (JP)

33 *Pholetesor nanus* Reinhard

Phyllonorycter nicellii Stt. on *Corylus avellana* L. – ♀, D, Ahrensburg / SH, leg. S. Vidal (JP)

34 *Pholetesor sp. near nanus* Reinhard

Phyllonorycter robiniella Clemens on *Robinia* sp. – ♀, I, Strambino, leg. A. Arzone (JP)

35 *Praon exsoletum* Nees

Theroaphis trifolii Monell on lucerne – ♀, GR, Athens, leg. D. Lykouressis (PS)

36 *Praon volucre* Haliday

Myzus nicotianae Blackman & Spence on tobacco – ♀, GR, Athens, leg. D. Lykouressis (PS)

37 *Protapaneles immunis* Haliday

Isturgia limbaria Fbr. on *Sarothamnus scoparius* L. – ♂, ♀, D, Köln, leg. W. Topp (JP)

38 *Protapaneles triangulator* Wesmael

Pseudoterpnia pruinata Hfn. on *Sarothamnus scoparius* L. – ♂, D, Köln, leg. W. Topp (JP)

39 *Spathius exarator* L.

Anobium inexpectatum Lohse – ♀, CH, Frauenfeld, leg. Eifler (JP)

40 *Trioxys angelicae* Haliday

Aphis gossypii Glov. on hibiscus – ♀, GR, Athens, leg. D. Lykouressis (PS)
Aphis pomi DeG. – ♀, CH, Conthey, leg. R. Vuignier (PS)

Ichneumonidae:

41 *Agrothereutes hospes* Tscheck

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

42 *Agrypon minutum* Brid. & Fit.

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

43 *Amblyteles armatorius* Forster

Noctua pronuba L. on tobacco – ♀, I, Scafati, SA, leg. L. Sannino (KH)

Xestia xanthographa Denis & Schiff. – ♂, CH, Chardonne, VD, leg. Hächler (KH)

44 *Atractodes pusillus* Förster

Delina veratri Hd. on *Veratrum album* L. – ♂, CH, Col de la Givrine, Kt Waadt, leg. U. Schaffner (RJ)

45 *Campoletis annulata* Gravenhorst

Spodoptera littoralis Curt. on tomatoes in greenhouses – ♀, I, Catania, Sicily, leg. L. Vacante (KH)

46 *Campoletis rectangulator* Aubert

Eupithecia fenestrata Mill. on *Veratrum album* L. – ♀, CH, Col des Mosses 1500m, leg. U. Schaffner (KH)

Eupithecia veratraria H.Sch. on *Veratrum album* L. – ♀, CH, Col des Mosses 1500m, leg. U. Schaffner (KH)

47 *Chorninaeus cristator* Gravenhorst

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

48 *Colpotricha cincta* Scopoli

Axylia putris L. on tobacco – ♂, ♀, I, Scafati, SA, leg. L. Sannino (KH)

49 *Diadegma semiclausum* Hellén

Pieris rapae L. on cabbage – ♀, SP, León, leg. E. Vargas Osuna (KH)

50 *Diaparsis temporalis* Horstmann

Oulema melanopus L. ex pupa – ♀, CH, Witzwil, leg. P. Schärer (KH)

51 *Dusona terebrator* Förster

Athetis hospes Freyer – ♂, ♀, I, Scafati, SA, leg. L. Sannino (KH)

52 *Endromopoda phragmitidis* Perkins

Lipara sp. on *Phragmites australis* Trin. – ♀, D, Haseldorf Marsch, Hamburg, leg. F. Bodino (KH)

53 *Enicospilus ramidulus* L.

Axcylia putris L. on tobacco – ♂, ♀, I, Scafati, SA, leg. L. Sannino (KH)

Mamestra oleracea L. – ♂, ♀, I, Scafati, SA, leg. L. Sannino (KH)

54 *Exeristes arundinis* Kriechbaum

Lipara lucens Mg. on *Phragmites australis* Trin. – ♂, ♀, D, NSG Federsee BY, leg. T. Schlemmermeier (KH)

55 *Gelis albipalpus* Thomson

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt Weinstr., leg. K. Schirra (KH)

56 *Gelis areator* Panzer

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt Weinstr., leg. K. Schirra (KH)

57 *Gregopimpla inquisitor* Scopoli

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

58 *Himertosoma superbum* Schmiedeknecht

Prays oleae Beruard – ♀, Sy, Aleppo, leg. R. Yakti (KH)

59 *Hoplectis maculator* Fbr.

Hypera adspersa Fbr. – ♀, D, Seethen, LK Stendahl, leg. P. Sprick (KH)

60 *Hyposoter didymator* Thunberg

Helicoverpa armigera Hbn. on cotton – ♂, ♀, Sp, Cordoba, leg. E. Vargas Osuna (KH)

Spodoptera littoralis Curt. on tomatoes in greenhouses – ♂, ♀, I, Catania, Sicily, leg. L. Vacante (KH)

61 *Hyposoter ebeninus* Gravenhorst

Pieris rapae L. on cabbage – ♀, SP, León 0 1 E Vargas Osuna (KH)

62 *Ischnus alternator* Gravenhorst

Lobesia botrana Denis & Schiff. – ♂ ♀, D, Neustadt Weinstr., leg. K. Schirra (KH)

63 *Itoplectis alternans* Gravenhorst

Lobesia botrana Denis & Schiff. – ♂, D, Neustadt/Weinstr., leg. K. Schirra (KH)

Sparganothis pilleriana Denis & Schiff. – ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

64 *Itoplectis maculator* Fbr.

Sparganothis pilleriana Denis & Schiff. – ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

65 *Leptoperilissus sp. near baeticus* Syrign

Ostrinia nubilalis Hbn. – ♀, SP, Badajoz, leg. J. Lipa (KH)

66 *Meloboris collector* Thunberg

Agrotis segetum Denis & Schiff. on *Zea mays* L. – ♀, CH, Gudo, TI, leg. Hächler (KH)

67 *Meloboris collector* Thunberg

Agrotis ipsilon Hfn. on *Zea mays* L. – ♂, ♀, CH, Gudo, TI, leg. Hächler (KH)

68 *Pimpla instigator* Fbr.

Sparganothis pilleriana Denis & Schiff. – ♂, D, Neustadt/Weinstr., leg. K. Schirra (KH)

Thaumetopoea processionea L. on *Quercus* sp. – ♂, ♀, D, Bietisheim BW, leg. H-P. Tschorsnig (KH)

69 *Pimpla turionella* L.

Sparganothis pilleriana Denis & Schiff. – ♀, D, Neustadt/Weinstr., leg. K. Schirra (KH)

70 *Promethes sulcator* Gravenhorst

Platycerius fulviventris Macq. in gall of *Lipara* sp. on *Phragmites australis* Trin. – ♀, D, Haseldorf Marsch, Hamburg, leg. F. Bodino (KH)

71 *Scambus nigricans* Thomson

Oxyna parietina L. on *Artemisia vulgaris* L. – ♂, ♀, D, Hamburg, leg. H. Schmidt (KH)

72 *Sinophorus xanthostomus* Gravenhorst

Spodoptera exigua Hbn. on alfalfa – ♀, Sp, Cordoba, leg. E. Vargas Osuna (KH)

73 *Sphecocephaga vesparum* Curtis

Vespa orientalis L. – ♀, IS, Tel Aviv, leg. Havron (KH)

74 *Syrphoctonus pictus* Gravenhorst

Syrphidae ex pupa – ♂, D, Neustadt/Weinstr., leg. K. Schirra (KH)

75 *Syrphoctonus signatus* Gravenhorst

Platycheirus fulviventris Macq. in gall of *Lipara* sp. on *Phragmites australis* Trin. – ♀, D, Haseldorf Marsch, Hamburg, leg. F. Bodino (KH)

76 *Temelucha* sp. near *lucida* Szépligeti

Helicoverpia armigera Hbn. on cotton – ♂, ♀, Sp, Sevilla, leg. E. Vargas Osuna (KH)

77 *Theroscopus hemipteron* Riche

Lobesia botrana Denis & Schiff. – ♀, D, Neustadt Weinstr., leg. K. Schirra (KH)

78 *Zoophthora palpator* Müller

Coleotechnites piceella Kear. – ♀, D, Holzhausen b. Leipzig, leg. H. Schnee (KH)

Chalcidoidea

Chalcididae

79 *Brachymeria intermedia* Nees

Lymantria dispar L. ex pupa – ♀, D, Denzlingen, leg. K. Maier (SV)

Sparganothis pilleriana Denis & Schiff. ex pupa – ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra (SV)

80 *Brachymeria rugulosa* Förster

Gypsonoma minutana Hbn. – ♂, ♀, SP, Cordoba, leg. J. Lipa (SV)

81 *Hockeria unicolor* Wlk.

Phyllonorycter robiniella Clemens on *Robinia* sp. – ♂, I, Strambino, leg. A. Arzone (SV)

82 *Hybothorax graffi* Ratzeburg

Euroleon nostras Fourc. – ♀, D, Karlsruhe, BW, leg. A. Krüß (SV)

Elasmidae

83 *Elasmus albipennis* Thomson

Sparganothis pilleriana Denis & Schiff. – ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra (SV)

Yponomeuta malinellus Zell. on *Malus domestica* Borkh. – ♂, ♀, D, Istein, Rhine Valley, leg. M. Kuhlmann (SV)

Encyrtidae

84 *Botriothorax clavicornis* Dalman

Syrphus ribesii L. on cabbage – ♂ ♀, D, Hannover, Stuttgart, leg. R. Hildenhausen (SV)

85 *Coccophagus scutellaris* Dalman

Pulvinaria regalis Canard – ♂, ♀, D, Bonn, leg. Faber (PJ)

86 *Copidosoma dium* Wlk.

Biselachista juliensis Frey – ♂, ♀, I, Mte Rocclamenlone, Piemonte, leg. U. Parenti (PJ)

Biselachista serricornis Stt. – ♂, ♀, I, Trino, Piemonte, leg. P. Varalda (PJ)

Biselachista utorella Frey – ♂, ♀, I, Morano sul Po, Piemonte, leg P. Varalda (PJ)

Elachista argentella Clerck – ♂ ♀, I, Morano sul Po, Piemonte, leg. U. Parenti (PJ)

Elachista bisulcella Dupon. – ♂, ♀, I, Trino, Piemonte, leg P. Varalda (PJ)

Elachista humilis Zell. – ♂, ♀, I, Sacra di S. Michele, Piemonte, leg. U. Parenti (PJ)

Elachista griseella Dupon. – ♂, Dup. ♀, I, Morano sul Po, Piemonte, leg. U. Parenti (PJ)

Elachista klimeschi Parenti – ♂, ♀, I, Valmuggia, Piemonte, leg. U. Parenti (PJ)

Elachista littoricola Le March. – ♂, ♀, I, Sozzigalli, Emilia, leg. U. Parenti (PJ)
Elachista pollinariella Zell. – ♂, ♀, I, Camino, Piemonte, leg. P. Varalda (PJ)
Elachista subnigrella Dougl. on *Poa chaixii* Vill. – ♂ ♀, D, Masserberg, leg. H. Steuer (SV)

87 *Copidosoma* sp. near *phalaenarum* Thomson

Phyllonorycter scopariella Hein. on *Lathyrus sylvestris* L. – ♂ ♀, D, Ahrtal, leg. W. Topp ((PJ))

88 *Helgonatopus* sp. near *citripes* Erdös

Elachista cerusella Hbn. – ♂ ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (PJ)

89 *Ooencyrtus kuwanae* Howard

Lymantria dispar L. – ♂ ♀, D, Darmstädter Forst, leg. H. Bathon (SV)

Eulophidae

90 *Achrysocharoides zwölferi* Delucchi

Phyllonorycter hilarella Zett. (= *P. spinolella*) on *Salix caprea* L. – ♀, D, Oberreiffenberg, Taunus, leg. J. Amendt (SV)

91 *Aprostocetus abydenus* Wilk.

Dasineura auritae Rübs. on *Salix cinerea* L. – ♂, ♀, D, Bruchköbel, Hessen, leg. J. Amendt (SV)

Dasineura marginemtorquens Bremi on *Salix viminalis* L. – ♂, ♀, D, Hanau, Hessen, leg. J. Amendt (SV)

92 *Aprostocetus lycidas* Wilk.

Mikiola fagi Hartig on *Fagus sylvatica* L. – ♀, D, Deister, Hildesheim, leg. S. Vidal (SV)

93 *Aprostocetus ovivorax* Silvestri

Oecanthus pellucens Scop. – ♀, D, Umgeb. Darmstadt, leg. H. Kretschmer (SV)

94 *Aprostocetus percaudatus* Silvestri

Oecanthus pellucens Scop. – ♀, D, Umgeb. Darmstadt, leg. H. Kretschmer (SV)

95 *Aprostocetus pseudopodiellus* Bakkendorf

Leistes sp., ex ovo – ♂, ♀, D, Stuttgart, leg. K. Sternberg (SV)

96 *Aprostocetus salictorum* Graham

Dasineura auritae Rübs. on *Salix cinerea* L. – ♂, ♀, D, Bruchköbel, Hessen, leg. J. Amendt (SV)

Dasineura marginemtorquens Bremi on *Salix viminalis* L. – ♀, D, Hanau, Hessen, leg. J. Amendt (SV)

97 *Baryscapus crassicornis* Erdös

Tephritis conycifoliae Merz on *Crepis conyzifolia* Dalla Torre – ♀, CH, Ftan, GR, leg. B. Merz (SV)

98 *Baryscapus daira* Wlk.

Terellia longicauda Mg. on *Cirsium eriophorum* L. – ♂ ♀, CH, Weissenstein, SO, leg. B. Merz (SV)

99 *Baryscapus evonymellae* Bouché

Yponomeuta malinellus Zell. on *Malus domestica* Borkh. – ♀, SU, Pyatigorsk N Caucasus; D, Istein, Rhine Valley, leg. M. Kuhlmann (SV)

100 *Baryscapus galactopus* Ratzeburg

Cotesia glomerata L.; host: *Pieris rapae* L. – ♂, ♀, SP, Oratava, Canary Islands, leg. J. Lipa (SV)

101 *Baryscapus gorganus* Domenichini

Tephritis formosa Loew on *Sonchus oleraceus* L. – ♀, D, Göttingen, leg. C. Denys (SV)

102 *Baryscapus pospelovi* Kostjukov

Gypsonoma minutana Hbn. – ♂, ♀, SP, Cordoba, leg. J. Lipa (SV)

103 *Baryscapus impeditus* Nees

Chrysoperla carnea Stephens ex pupa – ♂, ♀, D, Dossenheim, leg. H. Vogt (SV)

104 *Chrysocaris gemma* Wlk.

Phytomyza ilicis Curt. on *Ilex aquifolium* L. – ♀, D, Freiburg / Breisgau, leg. W. Billen (SV)

105 *Chrysocaris laomedon* Wlk.

Phyllonorycter robbiniella Clemens on *Robinia* sp. – ♂, I, Strambino, leg. A. Arzone (SV)

106 *Chrysocaris nephereus* Wlk.

Phyllocnystis saligna Zell. on *Salix purpurea* L. – ♀, D, Knoblochsaue, Hessen, leg. J. Amendt (SV)

Phytomyza vitalbae Kaltenb. on *Clematis vitalba* L. – ♂, ♀, CH, Turtmann near Leuk, Wallis; D, Istein, leg. Wittenberg (SV)

107 *Chrysocaris pentheus* Wlk.

Biselachista fulgens Parenti – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

Phytomyza vitalbae Kaltenb. on *Clematis vitalba* L. – ♀, CH, Turtmann near Leuk, Wallis; D, Istein, leg. Wittenberg (SV)

108 *Chrysocaris pubicornis* Zetterstedt

Chromatomyia horticola Mg. on *Chrysanthemum sp.* – ♀, D, Osnabrück , leg. Rieter (SV)

109 *Chrysocaris viridis* Wlk.

Phytomyza vitalbae Kaltenb. on *Clematis vitalba* L. – ♀, CH, Turtmann near Leuk, Wallis; D, Istein, leg. Wittenberg (SV)

111 *Chrysonotomiya lanassa* Wlk.

Biselachista fulgens Parenti – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

110 *Chrysonotomyia lyonetiae* Ferriére

Phytomyza vitalbae Kaltenb. on *Clematis vitalbae* – ♀, CH, Turtmann near Leuk, Wallis, leg. Wittenberg (SV)

112 *Cirrospilus diallus* Wlk.

Phyllocnystis saligna Zell. on *Salix purpurea* L. – ♂, ♀, D, Ortenberg, Hessen, leg. J. Amendt (SV)

Phytomyza vitalbae Kaltenb. on *Clematis vitalba* L. – ♀, CH, Turtmann near Leuk, Wallis, leg. Wittenberg (SV)

113 *Cirrospilus elegantissimus* Westwood

Phyllonorycter robiniella Clemens on *Robinia sp.* – ♀, I, Strambino, leg. A. Arzone (SV)

114 *Cirrospilus lyncus* Wlk.

Phyllonorycter hilarella Zett. (= *P. spinolella*) on *Salix caprea* L. – ♀, D, Oberreifenberg, Taunus leg. J. Amendt (SV)

115 *Cirrospilus pictus* Wlk.

Phyllocnystis saligna Zell. on *Salix purpurea* L. – ♀, D, Knoblochsaue, Hessen, leg. J. Amendt (SV)

116 *Cirrospilus subviolaceus* Thomson

Biselachista fulgens Parenti – ♂, ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

Phyllonorycter robiniella Clemens on *Robinia* sp. – ♂, ♀, I, Strambino, leg. A. Arzone (SV)

117 *Cirrospilus vittatus* Wlk.

Elachista adscitella Stt. – ♀, I, Ovada, Piemonte, leg. U. Parenti (SV)

118 *Closterocerus trifasciatus* Wlk.

Biselachista fulgens Parenti – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

119 *Colpoclypeus florus* Wlk.

Adoxophyes orana F. v. R. – ♀, D, Heilbronn, leg. J. Kienzle (SV)

Sparganothis pilleriana Denis & Schiff. – ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra (SV)

120 *Diglyphus isaea* Wlk.

Liriomyza huidobrensis Blanchard on beans in glasshouses – ♂, ♀, P, Praia Azul, leg. Céu Godinho (SV); ♂, ♀, GR, Heraklion, Crete, leg. Roditakis (SV)

121 *Diglyphus minoeus* Wlk.

Phytomyza vitalbae Kaltenb. on *Clematis vitalbae* L. – ♂, ♀, CH, Turtmann near Leuk, Wallis; D, Istein, leg. Wittenberg (SV)

122 *Diglyphus poppaea* Wlk.

Liriomyza bryoniae Kaltenb. on tomato – ♂, ♀, MC, Salè near Rabat, leg. N.N. (SV)

Liriomyza huidobrensis Blanchard on beans – ♂, ♀, P, Praia Azul, leg. Céu Godinho (SV)

Phytomyza vitalbae Kaltenb. on *Clematis vitalbae* L. – ♂, ♀, CH, Turtmann near Leuk, Wallis, leg. Wittenberg (SV)

123 *Elachertus artaeus* Wlk.

Spilonota ocellana Denis & Schiff. – ♀, D, Ebersbach, Hohenheim, leg. J. Kienzle (SV)

124 *Elachertus charondas* Wlk.

Lymantria dispar L. – ♂, ♀, D, Lampertheim, leg. H. Bathon (SV); ecto L2 – ♂, D, Denzlingen, leg. K. Maier (SV)

125 *Elachertus isadas* Wlk.

Dasineura auritae Rübs. on *Salix cinerea* L. – ♀, D, Bruchköbel, Hessen, leg. J. Amendt (SV)

Phyllocnistis saligna Zell. on *Salix purpurea* L. – ♀, D, Ortenberg, Hessen, leg. J. Amendt (SV)

126 *Entedon lixii* Erdös

Lixus elongatus Goeze on *Carduus pygnocephalus* L. – ♂, ♀, F, ORT !!, leg. G. Freese (SV)

127 *Entedon pseudonigritarsis* Erdös

Coryssomerus capucinus Schönherr on *Tripleurospermum perforatum* Merat – ♂, ♀, CSR, Malice, leg. N.N. (RA)

128 *Entedon punctiscapus* Thomson

Rhamphus oxyacanthae Marsh. on *Crataegus* sp. – ♂ ♀, D, Bad Segeberg, leg. S. Vidal (SV)

129 *Eulophus larvarum* L.

Alsophila aescularia Schiff. on *Prunus spinosa* L. – ♀, D, Buchfart, LK Weimar, leg. Schönborn (SV)

Orthosia gothica L. on *Salix* sp. – ♀, D, Kranichfeld LK Weimar, leg. Schönborn (SV)

Orthosia incerta Hfn. on *Alnus incana* Moench – ♂, ♀, D, Wickerstedt LK Apolda, leg. Schönborn (SV)

130 *Hemiptarsenus dropion* Wlk.

Elachista klimeschi Parenti or *E. occulta* Parenti – ♀, I, Varallo (VC), Piemonte, leg. P. Varalda (SV)

131 *Hemiptarsenus unguicellus* Wlk.

Biselachista fulgens Parenti – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

Elachista adscitella Stt. – ♂, I, Ditorni di Rimella, Piemonte, leg. U. Parenti (SV)

Elachista bisulcella Dupon. – ♀, I, Castelletto Merli, Piemonte, leg. P. Varalda (SV)

- Elachista cerusella* Hbn. – ♂, ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)
Elachista griseella Dupon. – ♂, ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)
Elachista pollinariella Zell. – ♂, ♀, I, Morano sul PO, Piemonte, leg. P. Varalda (SV)

132 *Melittobia acasta* Wlk.

- Diplostichus janitrix* Hart.; host: *Diprion pini* L. and *Diprion similis* -♀, I, Vals, Tirol, leg. K. Hellrigl (SV)
Tachinidae; host: *Lymatia dispar* L. – ♀, D, Denzlingen, leg. K. Maier (SV)

133 *Minotetraesticus ecus* Wlk.

- Phyllocnystis saligna* Zell. on *Salix purpurea* – ♂, D, Bruchköbel, Hessen, leg. J. Amendt (SV)

134 *Miotropis unipuncta* Wlk.

- Elachista quadripunctella* Hbn. – ♀, I, Provonda, Piemonte, leg. U. Parenti (SV)

135 *Necremnus leucarthros* Nees

- Apion pisi* Fbr., ex pupa – ♀, GR, Athens, leg. D. Lykouressis (SV)

136 *Neochrysocharis albiscapus* Erdös

- Phytomyza vitalbae* Kaltenb. on *Clematis vitalbae* L. – ♀, D, Steinwald near Neuenburg, leg. Wittenberg (SV)

137 *Neochrysocharis dimas* Wlk.

- Elachista bisulcella* Dupon. – ♀, I, Trino, Piemonte, leg. P. Varalda (SV)
Elachista littoricola Le March. – ♂, ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

138 *Neochrysocharis formosa* Wlk.

- Phytomyza vitalbae* Kaltenb. on *Clematis vitalbae* L. – ♀, CH, Turtmann near Leuk, Wallis; D, Istein, leg. Wittenberg (SV)

139 *Omphale clypealis* Thomson

- Dasineura brassicae* Win. on *Brassica napus* L. – ♂ ♀, D; Umgeb. Kiel, leg. U. Nissen (SV)

140 *Oomyzus gallerucae* Fonscolombe

- Galerucella luteola* Fbr. – ♂, ♀, IR, Teheran, leg. A. Nasrollahi (SV)

141 *Oomyzus incertus* Ratzeburg

Hypera venusta Fbr. on *Anthyllis vulneraria* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

142 *Oomyzus scaposus* Thomson

Coccinella septempunctata L., ex pupa – ♂, ♀, D, Kleinmachnow, leg H. Tritsch (SV)

143 *Pediobius acantha* Wlk.

Phytomyza ilicis Curt. on *Ilex aquifolium* L. – ♀, D, Freiburg / Breisgau, leg. W. Billen (SV)

144 *Pediobius calamagrostidis* Dawah

Eurytoma pollux Clar. on *Calamagrostis epigeios* Roth – ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

Tetramesa eximia Gir. on *Calamagrostis epigeios* Roth – ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

145 *Pediobius epigonus* Wlk.

Elachista atricomella Stt. on *Melica nutans* L. – ♂, D, Blankenburg, leg. H. Steuer (SV)

146 *Pediobius pyrgo* Wlk.

Gypsonoma minutana Hbn. – ♂, ♀, SP, Cordoba, leg. J. Lipa (JP)

Necremnus metalarus Wlk.; host: *Coleotechnites picaeella* Kear. – ♂, ♀, D, Leipzig, leg. H. Schnee (SV)

Triarthria setipennis Fall.; host: *Forficula auricularia* L. – ♀, D, Enningkirchen Rheintal, leg. U. Kuhlmann (SV)

Zoophthora palpator Muell.; host: *Coleotechnites picaeella* Kear. – ♂, D, Leipzig, leg. H. Schnee (SV)

147 *Pediobius saulius* Wlk.

Phyllonorycter robiniella Clemens on *Robinia* sp. – ♂, ♀, I, Strambino, leg. A. Arzone (SV)

148 *Pnigalio pectinicornis* Wlk.

Elachista albifrontella Hbn. on *Festuca pratensis* Huds. – ♀, D, Blankenburg, leg. H. Steuer (SV)

Elachista bisulcella Dupon. – ♂, ♀, I, Trino; Castelletto Merli, Piemonte, leg. P. Varalda (SV)

- Elachista cerusella* Hbn. on *Phalaris arundinacea* L. – ♀, D, Blankenburg, leg. H. Steuer (SV)
- Elachista cerusella* Hbn. – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)
- Elachista dimicatella* Rebel on *Sesleria uliginosa* Opiz – ♀, SL, Kalk-Tatra, leg. H. Steuer (SV)
- Elachista albifrontella* Hbn. on *Melica nutans* L. – ♀, D, Blankenburg, leg. H. Steuer (SV)
- Elachista pollinariella* Zell. – ♂, ♀, I, Camino, Piemonte, leg. P. Varalda (SV)
- Elachista gleichenella* Fbr. – ♀, I, Castelletto Merli, Piemonte, leg. P. Varalda (SV)
- Phthorimaea operculella* Zell. ex larva – ♀, I, Castel Giorgio, leg. V. Natali (SV)

149 *Pnigalio soemius* Wlk.

- Elachista cerusella* Hbn. on *Phalaris arundinacea* L. – ♂, D, Blankenburg, leg. H. Steuer (SV)
- Elachista klimeschi* Parenti or *E. occulta* Parenti – ♂, I, Varallo, Piemonte, leg. U. Parenti (SV)
- Perittia herrichiella* H.-S. – ♂, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

150 *Pnigalio longulus* Zetterstedt

- Phyllonorycter hilarella* Zett. (= *P. spinolella*) on *Salix caprea* L. – ♂, ♀, D, Oberreifenberg, Taunus, leg. J. Amendt (SV)

151 *Pronotalia carlinarum* Szelenyi & Erdös

- Noeeta bisetosa* Merz on *Hieracium piloselloides* Vill. – ♀, CH, Biasca-Loderio, leg. B. Merz (SV)
- Tephritis conura* Loew on *Cirsium oleraceum* L. – ♂, ♀, D, Göttingen, leg. C. Denys (SV)

152 *Pronotalia orobanchiae* Graham

- Phytomyza orobanchia* Kaltenb. on *Orobanche* sp. – ♂, ♀, IR, Teheran leg. A. Nasrollahi (SV)

153 *Sympiesis acalle* Wlk.

- Phyllonorycter robinella* Clemens on *Robinia* sp. – ♂, ♀, I, Strambino, leg. A. Arzone (SV)

154 *Sympiesis gordius* Wlk.

Phyllonorycter hilarella Zett. (= *P. spinolella*) on *Salix caprea* L. – ♀, D, Oberreifenberg, Taunus, leg. J. Amendt (SV)

155 *Sympiesis sericeicornis* Nees

Phyllocnystis saligna Zell. on *Salix purpurea* L. – ♀, D, Ortenberg, Hessen, leg. J. Amendt (SV)

156 *Sympiesis viridula* Thomson

Phthorimaea operculella Zell. ex larva – ♀, I, Castel Giorgio, leg. V. Natali (SV)

157 *Tetrastichus brachyopae* Graham

Brachyopa pilosa Collin – ♂, ♀, D, Kiel, leg C. Kessebeer (SV)

158 *Tetrastichus miser* Nees

Rhamphus oxyacanthae Mrsh. on *Crataegus* sp. – ♀, D, Bad Segeberg, leg. S. Vidal (SV)

Eupelmidae

159 *Anastatus catalonicus* Bolivar

Lymatia dispar L. ex ovo – ♂, ♀, D, Denzlingen, leg. K. Maier (SV)

160 *Calosota obscurus* Masi

Lixus elongatus Goeze on *Carduus nigrescens* Vill. - ♀, F, Luberon, leg. G. Freese (SV)

161 *Eupelmus urozonus* Dalman

Bruchidius marginalis Fbr. on *Astragalus glycophyllum* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

Sparganothis pilleriana Denis & Schiff. ex pupa – ♀, D, Neustadt/Weinstr., leg. K. Schirra (SV)

Xylocleptis bispinus Duftschm. on *Clematis vitalbae* L. – ♂, D, Steinwald near Neuenburg, leg. Wittenberg (SV)

162 *Macroneura muellneri* Ruschka

Tetramesa romana Wlk. on *Arundo donax* L. – ♀, E, Gomera, Valle Gran Rey, leg. S. Vidal (SV)

163 *Macroneura vesicularis* Retzius

- Apion violaceum* Kb. on *Rumex crispus* L. – ♀, D, Bayreuth, leg. G. Freese (SV)
Apion gibbirostre on *Cirsium arvense* Scop. – ♀, D, Bayreuth, leg. G. Freese (SV)
Elachista adscitella Stt. – ♀, I, Ovada, Piemonte, leg. U. Parenti (SV)
Elachista argentella Clerck – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)
Elachista bisulcella Dupon. – ♀, I, Trino, Piemonte, leg. P. Varalda (SV)
Elachista littoricola Le March. – ♀, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

Eurytomidae

164 *Eurytoma curculionum* Mayr

- Apion violaceum* Kb. on *Rumex crispus* L. – ♀, D, Bayreuth, leg. G. Freese (SV)
Ceutorhynchus assimilis Payk. on *Brassica napus* L. – ♂, ♀, D, Göttingen, leg. B. Ulber (SV)

165 *Eurytoma cynipsea* Boheman

- Aulacidea* sp. (? *hieracii* Bouché) on *Hieracium pilosella* L. – ♂, ♀, D, Marzell, leg. G. Großkopf (SV)

166 *Eurytoma oophaga* Silvestri

- Oecanthus pellucens* Scop. – ♂, ♀, D, Umgeb. Darmstadt, leg. H. Kretschmer (SV)

167 *Eurytoma robusta* Mayr

- Tephritis conycifoliae* Merz on *Crepis conyzifolia* Dalla Torre – ♀, CH, Ftan, GR, leg. B. Merz (SV)

168 *Eurytoma* sp. near *roseni*

- Triarthria setipennis* Fall.; host: *Forficula auricularia* L. – ♂, ♀, D, Enningenkirchen, Rheintal, leg. U. Kuhlmann (SV)

169 *Sycophila mellea* Curtis

- Eurytoma pollux* Clar. on *Calamagrostis epigeios* Roth – ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

Pteromalidae

170 *Arthrolytus maculipennis* Wlk.

Elachista klimeschi Parenti – ♂, ♀, I, Varallo (VC), Piemonte, leg. U. Parenti (SV)

171 *Asaphes vulgaris* Wlk.

Dysaphis plantaginea Pass. on *Malus sp.* – ♀, CH, Dettlingen b. Bern, leg. Fernández (SV)

172 *Callitula bicolor* Spinola

Opomyza florum Fall. on wheat – ♂, ♀, D, Göttingen, leg. S. Büchner (SV)

173 *Chlorocytus longicauda*

Melanagromyza aeneoventris Fall. on *Cirsium eriophorum* Scop. – ♂, ♀, D, Bayreuth, leg. G. Freese (SV)

174 *Conomorium pityocampae* Graham

Thaumetopoea pityocampa Schiff. – ♂, ♀, Gr, Vrachneika, W Patras, leg. W. Breuer (SV)

175 *Cyclogastrella deplanata* Nees

Sparganothis pilleriana Denis & Schiff. – ♂, ♀, D, Umgeb. Neustadt/Weinstraße, leg. K. Schirra (SV)

176 *Cyrtogaster vulgaris* Wlk.

Melanostoma scalare Fbr. on cabbage – ♀, D, Straubing, Bayern, leg. R. Hilden-hagen (SV)

Opomyza florum Fall. on wheat – ♂, ♀, D, Göttingen, leg. S. Büchner (SV)

177 *Dibrachys boarmiae* Wlk.

Lobesia botrana Denis & Schiff. – ♂, ♀, D, Umgeb. Neustadt/Weinstraße, leg. K. Schirra (SV)

178 *Dibrachys cavus* Wlk.

Lymantria dispar L. – ♂, ♀, D, Denzlingen, leg. K. Maier; D, Lampertheim, leg. H. Bathon (SV)

Triarthria setipennis Fall.; host: *Forficula auricularia* L. – ♂, ♀, D, Enningenkirchen Rheintal, leg. U. Kuhlmann (SV)

179 *Dimachus cingulum* Nees

Ptinus sexpunctatus Pz. in nest of *Osmia rufa* L. – ♀, D, Bielefeld, leg. L. Adorf (SV)

180 *Dinarmus acutus* Thomson

Bruchidius marginalis Fbr. on *Astragalus glycophyllos* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

181 *Gastrancistrus fulvicoxis* Graham

Dasineura saliciperda Duf. on *Salix fragilis* L. – ♂, ♀, D, Groß Lüsewitz, Mecklenburg, leg. J. Amendt (SV)

182 *Gastrancistrus salicis* Nees

Iteomyia capreae Wtz. on *Salix cinerea* L. – ♂, ♀, D, Hanau, Hessen, leg. J. Amendt (SV)

183 *Halticoptera circulus* Wlk.

Chromatomyia fuscula Zett. on *Alopecurus pratensis* L. – ♀, D, Umgeb. Karlsruhe, Kraichgau, leg. H-J. Greiler (SV)

184 *Homoporus destructor* Say

Eurytoma pollux Clar. on *Calamagrostis epigeios* Roth – ♂, ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

Tetramesa eximia Gir. on *Calamagrostis epigeios* Roth – ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

185 *Homoporus luniger* Wlk.

Elachista bisulcella Dupon. – ♀, I, Castelletto Meril (AL), Piemonte, leg. Varalda (SV)

186 *Lariophagus distinguendus* Förster

Stegobium paniceum L. – ♂, ♀, CH, Utzwil, leg. A. Schöller (SV)

187 *Merisus flagellatus* Bouček

Eurytoma pollux Clar. on *Calamagrostis epigeios* Roth – ♂, ♀, D, Umgeb. Karlsruhe, leg. M. Dubbert (SV)

188 *Merisus megapterus* Wlk.

Biselachista fulgens Parenti – ♂, ♀, I, Morano sul Po (AL), Piemonte, leg. P. Varalda (SV)

Biselachista serricornis Stt. – ♀, I, Trino, Piemonte, leg. P. Varalda (SV)

Biselachista utonella Frey – ♂, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

Elachista cerusella Hbn. – ♂, I, Morano sul Po, Piemonte, leg. P. Varalda (SV)

189 *Mesopolobus adrianae* Gijswijt

Myopites inulaedyssentericae Blot on *Inula hirta* L. – ♂, ♀, CH, M. Casiano, TI, leg. B. Merz (HB)

190 *Mesopolobus mediterraneus* Mayr

Apion fuscirostre Fbr. on broom – ♂, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

Apion ulicis Forst. on *Ulex europaeus* L. – ♂, ♀, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

Bruchidius fasciatus OI. (= *B. villosus*) on broom – ♂, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

191 *Mesopolobus ?semiclavatus* Ratzeburg

Iteomyia capreae Wtz. on *Salix cinerea* L. – ♂, ♀, D, Hanau, Hessen, leg. J. Amendt (SV)

192 *Nasonia vitripennis* Wlk.

Calliphora spp. – ♂, ♀, DK, Copenhagen, leg. L. Oegaard (SV)

Ophyra aenescens Rob.-Des. – ♂, ♀, DK, Copenhagen, leg. L. Oegaard (SV)

Sturmia schineri Mesn. – ♀, D, Denzlingen, leg. K. Maier (SV)

193 *Pachyneuron aphidis* Bouché

Diuraphis noxia Mord. – ♂, ♀, SY, Aleppo, leg. R. Yakti (SV)

Macrosiphum euphorbiae Thoms. on tomato – ♀, GR, Athens, leg. D. Lykouressis (SV)

Myzus nicotianae Blackm. & Spence on tobacco – ♂, ♀, GR, Athens, leg. D. Lykouressis (SV)

194 *Pachyneuron formosum* Wlk.

Episyphus balteatus DeG. on cabbage – ♂, ♀, D, Hannover, leg. R. Hildenhausen (SV)

Syrphus ribesii L. on cabbage – ♂, ♀, D, Stuttgart, leg. R. Hildenhausen (SV)

195 *Pachyneuron groenlandicum* Holmgren

Episyphus balteatus DeG. on cabbage – ♂ ♀, D, Hannover, leg. R. Hildenhaben (SV)
Sphaerophoria sp. on cabbage – ♂ ♀, D, Hannover, leg. R. Hildenhaben (SV)

196 *Psilocera* sp. near *obscura* Wlk.

Cryptocephalus fulvus Goeze – ♀, D, Berlin Frohnau, leg. M. Schöller (SV)
Cryptocephalus moraei L. – ♂ ♀, D, Berlin, leg. M. Schöller (SV)

197 *Pteromalus albipennis* Wlk.

Myopites inulaedyssentericae Blot on *Inula hirta* L. – ♀, CH, M. Caslano, TI, leg. B. Merz (HB)
Tephritis crepidis Hend. on *Crepis blattaroides* Vill. – ♀, CH, Ardex, GR, leg. B. Merz (HB)
Terellia winthemi Mg. on *Carduus crispus* L. – ♀, CH, Schaffhausen, SH, leg. B. Merz (HB)
Tephritis formosa Loew on *Sonchus oleraceus* L. – ♂ ♀, D, Göttingen, leg. C. Denys (SV)

198 *Pteromalus chrysos* Wlk.

Adoxophyes orana F. v. R. – ♀, D, Heilbronn, leg. J. Kienzle (SV)
Apanteles melanoscelos Rtz.; host: *Lymantria dispar* L. – ♀, D, Denzlingen, leg. K. Maier (SV)
Cotesia plutellae Kurd.; host: *Ocnogyna baetica* Rambur – ♂ ♀, SP, Villarubia, leg. J. Lipa (SV)
Ichneumonidae; host: *Sparganothis pilleriana* Denis & Schiff. – ♀, D, Umgeb. Neustadt/ Weinstraße, leg. K. Schirra (SV)
Lymantria dispar L., ex L4 – ♀, D, Lampertheim, leg. H. Bathon (SV)
Oulema lichenis Voet. ex pupa – ♀, CH, Gränichen, leg. P. Schärer (SV)
Pholetesor sp.; host: *Phyllonorycter robiniella* Clemens on *Robinia* sp. – ♂, I, Strambino, leg. A. Arzone (SV)
Tachinidae; host: *Sparganothis pilleriana* Denis & Schiff. – ♀, D, Umgeb. Neustadt/ Weinstraße, leg. K. Schirra (SV)
Yponomeuta evonymella L. on *Prunus padus* – ♂ ♀, CH, Münster, Swiss Valley, leg. M. Kuhlmann (SV)
Sparganothis pilleriana Denis & Schiff. ex pupa – ♀, D, Neustadt/Weinstr., leg. K. Schirra (SV)
Yponomeuta malinellus Zeller on *Malus domestica* Borkh. – ♀, SU, Pyatikorsk, N Caucasus, leg. M. Kuhlmann (SV)

199 *Pteromalus decipiens* Graham

Myopites inulaedyssentericae Blot on *Inula hirta* L. – ♀, CH, Casiano, TI, leg. B. Merz (HB)

200 *Pteromalus elevatus* Wlk.

Bactrocera oleracea Gmel. on *Olea europaea* fruit – ♀, CH, Locarno, Ti, leg. B. Merz (HB)

Tephritis conura Loew on *Cirsium oleraceum* L. – ♂, ♀, D, Göttingen, leg. C. Denys (SV)

201 *Pteromalus hieracii* Thomson

Aulacidea ? hieracii Bouché on *Hieracium pilosella* L. – ♀, D, Marzell, leg. G. Großkopf (SV)

202 *Pteromalus intermedius* Wlk.

Tephritis conura Loew on *Cirsium oleraceum* L. – ♀, D, Göttingen, leg. C. Denys (SV)

203 *Pteromalus* sp. near *intermedius* Wlk.

Yponomeuta malinellus Zell. on *Malus domestica* Borkh. – ♀, SU, Pyatikorsk, N Caucasus, leg. M. Kuhlmann (SV)

204 *Pteromalus musaeus* Wlk.

Noeeta bisetosa Merz on *Hieracium piloselloides* Vill. – ♂, ♀, CH, Biasca-Loderio, TI, leg. B. Merz (HB)

205 *Pteromalus patro* Wlk.

Terellia winthemi Mg. on *Carduus crispus* L. – ♀, CH, Schaffhausen, SH, leg. B. Merz (HB)

206 *Pteromalus puparum* L.

Pieris rapae L. – ♂ ♀, SP, La Laguneta, Canary Islands, leg. J. Lipa (SV)

207 *Pteromalus semotus* Wlk.

Yponomeuta malinellus Zell. on *Malus domestica* Borkh. – ♀, SU, Pyatigorsk, N Caucasus, leg. U. Kuhlmann (SV)

Yponomeuta sp. on *Prunus padus* L. – ♀, CH, Münster, Swiss Valley, leg. U. Kuhlmann (SV)

208 *Pteromalus sequester* Wlk.

Apion fuscirostre Fbr. on broom – ♂, ♀, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

Apion ulicis Forst. on *Ulex europaeus* L. – ♂, ♀, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

Bruchus affinis Fröhlich on *Lathyrus sylvestris* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

Bruchus atomarius L. on *Lathyrus niger* Bernh. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

Bruchidius fasciatus Ol. (= *B. villosus*) on broom – ♀, GB, Ascot, Silwood Park, leg. S. Fowler (SV)

Bruchidius marginalis Fbr. on *Astragalus glycyphyllos* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

Hypera venusta Fbr. on *Anthyllis vulneraria* L. – ♀, D, Karlsruhe, leg. P. Garbe (SV)

209 *Rhaphitelus maculatus* Wlk.

Scolytus rugulosus Müll. on *Crataegus* sp. – ♀, D, Leipzig, leg. H. Schnee (SV)

210 *Spaniopus dissimilis* Wlk.

Erigone atra Blackw. or *E. dentipalpis* Sundev., egg-cocoons on wheat – ♂ ♀, D, Göttingen, leg. A. Dinter (SV)

211 *Stenomalina gracilis* Spinola

Ceutorhynchus litura Fbr. on *Cirsium arvense* Scop. – ♂, D, Bayreuth, leg. G. Freese (SV)

Tephritis formosa Loew on *Sonchus oleraceus* L. – ♀, D, Göttingen, leg. C. Denys (SV)

212 *Trichomalopsis micropterus* Lindeman

Oulema lichenis Voet. ex pupa – ♂ ♀, CH, Embrach, leg. P. Schärer (SV)

213 *Trichomalus campestris* Wlk.

Apion seniculus Kb. on *Trifolium pratense* L. – ♂, ♀, D, Karlsruhe, BW, leg. A. Krüß (SV)

214 *Trichomalus flagellaris* Graham

Apion onopordi Kb. on *Cirsium eriolepidis* – ♀, A, Sollenau, leg. G. Freese (SV)

215 *Trichomalus fulvipes* Wlk.

Apion sp. on *Trifolium pratense* L. – ♂, ♀, D, Karlsruhe, BW, leg. A. Krüß (SV)

216 *Trichomalus gynetelus* Graham

Apion gibbirostre on *Cirsium arvense* Scop. – ♂, ♀, D, Bayreuth, leg. G. Freese (SV)

Apion violaceum Kb. on *Rumex crispus* L. – ♀, D, Bayreuth, leg. G. Freese (SV)

217 *Trichomalus helvipes* Wlk.

Apion ?apricans Herbst on *Trifolium pratense* L. – ♀, D, Karlsruhe, BW, leg. A. Krüß (SV)

218 *Trichomalus lucidus* Wlk.

Psylliodes chrysocephala L. on *Brassica napus* L. – ♀, D, Immenstedt, SH, leg. U. Nissen (SV)

219 *Trichomalus perfectus* Wlk.

Ceutorhynchus assimilis Payk. on *Brassica napus* L. – ♂ ♀, D, Umgeb. Kiel, SH, leg. U. Nissen (SV)

220 *Tricolas xylocleptis* Bouček

Xylocleptis bispinus Duftschmid on *Clematis vitalbae* L. – ♂, ♀, CH, Domont, leg. K. Groppe; D, Steinwald near Neuenburg, leg. Wittenberg (SV)

221 *Tritneptis* sp. near *affinis* Nees

Strobilomyia anthracina Cerny ex pupa, parasitised in soil spruce cone – ♀, CH, Ayent, Wallis, leg. M. Kenis (SV)

Torymidae

222 *Monodontomerus aereus* Wlk.

Sparganothis pilleriana Denis & Schiff. – ♀, D, Umgeb. Neustadt/Weinstraße, leg. K. Schirra (SV)

223 *Pseudotorymus brassicae* Ruschka

Dasineura brassicae Win. on *Brassica napus* L. – ♀, CH, Hallau, KT. Schaffhausen, leg. S. Keller (SV)

224 *Torymoides kiesenwetteri* Mayr

Myopites inulaedyssentericae Blot on *Inula hirta* L. – ♂ ♀, CH, M. Casiano, TI, leg. B. Merz (SV)

225 *Torymus chloromerus* Wlk.

Terellia serratulae L. on *Carduus defloratus* L. – ♀, CH, Mte. Generoso, TI, leg. B. Merz (SV)

Diapriidae

226 *Trichopria verticillata* Latreille

Opomyza florum Fall. on wheat – ♂, ♀, D, Göttingen, leg. S. Büchner (DN)

Megaspilidae

227 *Dendrocerus remaudierei* Dessart

Myzus nicotianae Blackm. & Spence on tobacco – ♀, GR, Athens, leg. D. Lykouressis (SV)

228 *Dendrocerus sericornis* Boheman

Chyliza scutellata Fall. ex pupa – ♀, D, Rottenburg, Neckar, leg. K. Dengler (SV)

Bethylidae

229 *Goniozus claripennis* Förster

Sparganothis pilleriana Denis & Schiff. – ♂ ♀, D, Neustadt/Weinstraße, leg. K. Schirra (SV)

Staphylinidae

230 *Paederus fuscipes* Curtis

Cassida rubiginosa Muell. ex pupa, on *Cynara scolymus*, *Cirsium arvense* Scop. and cotton – ♀, TR, Balcali, Adana, leg. D. Ghavami (VA)

Anthocoridae

231 *Orius albipennis* Reuter

phytophagous mites and thrips on *Orobanche sp.* - ♂, ♀, IR, Espahan, leg. Nasrollahi (AM)

Tachinidae

232 *Alsomyia capillata* Rondani

Zygaena purpuralis Bruennich - ♂, ♀, GUS, Kirgizistan, leg. O. Gorbunov

233 *Alsomyia ?olfaciens* Pandellé

Zygaena carniolica Scop. ♂, TR, Ankara, Atatürk Orman, leg. G. Tremewan

234 *Aplomya confinis* Fallén

Callophrys rubi L. - ♂, ♀, D, near Würzburg, leg. K. Fiedler

Polyommatus hispanus HS. - ♂, ♀, F, Massif d. Maures, leg. K. Fiedler

Polyommatus coridon Poda - ♀, D, near Würzburg, leg. K. Fiedler

235 *Athrycia trepida* Meigen

Orthosia gothica L. - ♂, GB, Kentra, Highlands, leg. M. R. Shaw

Orthosia gracilis Denis & Schiff. - ♀, GB, Argyllshire, leg. M. R. Shaw

236 *Bactromyia aurulenta* Meigen

Bena fagana Fbr. - ♂, ♀, D, Olbernhau (Erzgebirge), leg. M. Messing

237 *Bessa parallela* Meigen

Diurnea fagella Denis & Schiff. - ♀, D, Altenberg, Erzgebirge, leg. M. Messing

Yponomeuta malinellus Zeller - ♂, ♀, TR, Van, leg. T. Erol

238 *Billaea adelpha* Loew

Purpuricenus nicocles Schaufuss or *Pedostrangalia raggii* Sama - ♀, Cyprus, Odou (Limassol), leg. G. Sama

239 *Billaea irrorata* Meigen

Oberea pedemontana Chevrolat - ♂, ♀, I, Romagna, Classe Fosso Ghiaia (Ra), ♂, I, Pineta Classe (Ra), leg. G. Sama

Saperda populnea L. - ♂, E, Elosu (VI), P. Bahillo; S, Ög. Simonstorp, leg. K. J. Heqvist

240 *Billaea triangulifera* Zetterstedt

Leiopus nebulosus L. - ♂, I, Foresta Lama (Fo), leg. G. Campadelli

Oplosia fennica Paykull - ♀, A, Mieger (Klagenfurt), leg. G. Sama

Saperda scalaris L. - ♀, I, Cullacce (Fo), G. Campadelli

Stenostola dubia Laicharting, leg. G. Sama

241 *Bithia glirina* Rondani

Bembecia zuvandica Gorbunov - ♂, GUS, Armenia, leg. O. Gorbunov

Chamaesphecia schizoceriformis Kolenati - ♂, GUS, Georgia, leg. O. Gorbunov

Chamaesphecia spec. - ♀, host larvae in root, TJ, Habagexi near Dongsheng, leg. K. Groppe

242 *Bithia gorbunovi* Tschorsnig

Bembecia tshimgana Sheljuzhko - ♂, GUS, Kirgizistan, leg O. Gorbunov

243 *Bithia modesta* Meigen

Bembecia ponticum Staudinger - ♂, GUS, Armenia, leg. O. Gorbunov

Bembecia stiziformis H.-S. - ♂, GUS, Nakhichevan, Ordubad, Nus-Nus, leg. O. Gorbunov

Bembecia zuvandica Gorbunov - ♀, GUS, Armenia, leg. O. Gorbunov

Synansphecia triannuliformis Freyer - ♀, GUS, Nakhichevan, Ordubad, Nus-Nus, leg. O. Gorbunov

244 *Blepharomyia piliceps* Zetterstedt

Lygris populata L. - ♂, GB, Sheffield, leg. T. H. Ford

245 *Blondelia inclusa* Hartig

Diprion frutetorum Fbr. - ♂, ♀, A, N.-Tirol, leg. W. Schedl

246 *Blondelia nigripes* Fallén

Apocheima pedaria Fbr. - ♂, YU, V. S. Losinci, leg. M. Glavendekic

Caradrina hospes Treitschke ♂, I, Scafati (Sa), leg. L. Sannino

Colotois pennaria L. - ♂, YU, Bucovic, leg. M. Glavendekic

Dolerus aericeps Thomson - ♀, A, Mühlau/Innsbruck, leg. W. Schedl

Erannis defoliaria Clerck - ♂, ♀, YU, V. S. Losinci, M. Mostanica, leg. M. Glavendekic

Erannis leucophaearia Denis & Schiff. - ♂, ♀, YU, V. S. Losinci, leg. M. Glavendekic

Erannis marginaria Fbr. - ♂, YU, M. Mostanica, leg. M. Glavendekic

Operophtera brumata L. - ♂, YU, V. S. Losinci, leg. M. Glavendekic

247 *Carcelia gnava* Meigen

Malacosoma neustria L. - ♂, GB, Portslade, Sussex, leg. A. R. Cronin

248 *Carcelia lucorum* Meigen

Arctia ruckbeili Puengeler - ♂, GUS, Kirgizistan, leg. O. Gorbunov

Phragmatobia fuliginosa L. - ♂, D, near Hoyerswerda, leg. E. Kwast; ♀, CH, Gudo (TI), leg. Hächler; ♂, ♀, I, Scafati (Sa), leg. L. Sannino

249 *Catagonia aberrans* Rondani

Monophadnus spinolae Klug - ♀, H, near Zirc, leg. R. Wittenberg

Thyris fenestrella Scopoli - ♀, F, Bédoine (Vaucluse), leg. M. R. Shaw

250 *Ceranthis lichtwardtiana* Villeneuve

Eupithecia spec. on *Larix decidua* - ♂, ♀, CH, Valais (1300 - 1550 m), leg. M. Kenis

251 *Ceromya bicolor* Meigen

Lasiocampa quercus L. - ♀, GB, Burrival N. Vist, leg. K. P. Bland

252 *Chetogena obliquata* Fallén

Ocnogyna baetica Rambur - ♂, ♀, E, Prov. Jaén and Badajoz, leg. J. Lipa

253 *Clemelis pullata* Meigen

Heterographis fulvobasella Ragonot on *Halogenon sativus* - ♂, MA 45 km S. Marrakesh, leg. J. J. Drea

254 *Clemelis pullata* Meigen

Scythris spec. - S, Gotland, Öja, leg. Benander

255 *Compsilura concinnata* Meigen

Apocheima pedaria Fbr. - ♂, YU, V. S. Losinci, leg. M. Glavendekic

Hyphantria cunea Drury - ♂, ♀, I, leg. G. Camerini

Parnassius apollo L. - ♂, TR, Bursa, leg. M. Kaya

Pieris brassicae L. - ♂, ♀, TR, Tokat, leg. K. Kara; ♀, D near Hoyerswerda, leg. E. Kwast

Thaumetopoea pityocampa Schiff. - ♂, E, Cazorla, leg. Vargas-Osuna

256 *Cyrtophleba ruricola* Meigen

Catocala sponsa L. - ♀, E, Cazorla, leg. S. L. Yela

257 *Cyzenis albicans* Fallén

Ypsolopha vittella L. on *Ulmus glabra* - ♂, GB, Edinburgh, leg. M. R. Shaw

258 *Drino atropivora* Robineau-Desvoidy

Agrius convolvuli L. - ♂, ♀, I, Scafati (Sa), leg. L. Sannino

259 *Drino gilva* Hartig

Diprion frutetorum Fbr. - ♂, A, N.-Tirol, leg. W. Schedl

Diprion pallidus Klug - ♀, A, near Völkermarkt (Kärnten), leg. Holzschuh

Diprion pini L. - ♂, ♀, A, N.-Tirol, leg. W. Schedl

260 *Drino inconspicua* Meigen

Diprion pini L. - ♂, A, Theresienfeld (Niederösterreich), leg. W. Schedl; ♂, D near Hoyerswerda, leg E. Kwast

Diprion similis Hartig - ♂, ♀, I, Brixen, leg. K. Hellrigl

Diprion spec. - ♂, ♀, A, N.-Tirol, leg. Bertrandi & Schedl

Monocetus juniperi L. ♀, A, near Innsbruck, leg. Bertrandi & Schedl

261 *Ectophasia crassipennis* Fbr.

Graphosoma lineatum italicum Mueller - ♀, I, Borgo Capanne, leg. G. Campadelli

262 *Elfia cingulata* Robineau-Desvoidy

Nemapogon cloacellus Haworth - ♂, GB, Leaderfoot, Roxb., leg. K. P. Bland

Nemapogon corticellus Curtis on *Stereum rugosum* - ♂, ♀, D near Hamburg, leg. C. Vetter

263 *Ernestia rudis* Fallén

Xylena vetusta Hbn. on *Myrica* - ♂, GB, Argyllshire, leg. M. R. Shaw

264 *Eumea linearicornis* Zetterstedt

Archips rosana L. - D, Bodensee, leg. J. Kienzle

Sparganothis pilleriana Schiff. - ♂, D, Neustadt/Weinstr., leg. K. Schirra

265 *Eumea mitis* Meigen

Sparganothis pilleriana Schiff. - ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra

266 *Eurysthaea scutellaris* Robineau-Desvoidy

Sparganothis pilleriana Schiff. - ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra

Yponomeuta malinellus Zeller - ♀, TR, Tokat, leg K. Kara

267 *Exorista grandis* Zetterstedt

Saturnia pavonia L. - S, Resarö, leg. Malaise

268 *Exorista larvarum* L.

Calophasia lunula Hufnagel - ♀, D, near Eppelheim, leg. J. F. Burton

Dasychira pudibunda L. - ♀, I, Cumiana (To), leg. A. Arzone

Euproctis chrysorrhœa L. - ♀, TR, Tokat, leg. K. Kara

Hyphantria cunea Drury - ♂, ♀, I, leg. G. Campadelli and G. Camerini

Leucoma salicis L. - ♂, ♀, TR, Tokat, leg. K. Kara

Lymantria dispar L. - ♀, I, leg. G. Campadelli

Malacosoma neustria L. - ♂, small specimen, TR, Tokat, leg. K. Kara

Mamestra brassicae L. - ♀, I, Scafati (Sa), leg. L. Sannino

Mamestra oleracea L. - ♀, I, Scafati (Sa), leg. L. Sannino

269 *Exorista nova* Rondani

Zygaena sedi Fbr. - ♂, ♀, GR, Epirus, leg. A. Hofmann

270 *Exorista rustica* Fallén

Dolerus aericeps Thomson - ♀, A, Mühlau/Innsbruck, leg. W. Schedl

271 *Exorista segregata* Rondani

Leucoma salicis L. - ♀, E, Prov. León, leg. J. Lipa

Malacosoma neustria L. - ♀, TR, Tokat, leg. K. Kara

272 *Exorista sorbillans* Wiedemann

Plusia circumflexa L. - ♀, E, Tenerife, Guamasa, leg. J. Lipa

273 *Germaria sesiophaga* Richter

Bembecia zuvandica Gorbunov - ♀, GUS, Armenia, leg. O. Gorbunov

274 *Gonia bimaculata* Wiedemann

Leucania unipuncta Haworth - ♂, E, Tenerife, Laguna, leg. J. Lipa

275 *Graphogaster brunnescens* Villeneuve

?*Teleiodes proximella* Hbn. on *Betula* sp. - ♂, GB, Ballater (Scotland), leg. M. R. Young

276 *Gymnophryxe carthaginiensis* Bischof

Ocnogyna baetica Rambur - ♂, E, Prov. Jaén, Ubeda, leg. J. Lipa

277 *Huebneria affinis* Fallén

Phragmatobia fuliginosa L. - ♂, D near Hoyerswerda, leg. E. Kwast; ♀, I, Scafati (Sa), leg. L. Sannino

278 *Hyalurgus crucigera* Zetterstedt

Anoplonyx duplex Lepeletier - ♂, I, NW Sterzing (Trentino), leg. F. Oberprantacher

Anoplonyx ovatus Zaddach, ♂, I, NW Sterzing (Trentino), leg. F. Oberprantacher

Pachynematus imperfectus Zaddach & Brischke - ♂, ♀, I NW Sterzing (Trentino), leg. F. Oberprantacher

Pristiphora laricis Hartig - ♂, ♀, I, NW Sterzing (Trentino), leg. F. Oberprantacher

279 *Hyalurgus lucidus* Meigen

Pristiphora erichsonii Hartig - ♂, I, NW Sterzing (Trentino), leg. F. Oberprantacher

280 *Leskia aurea* Fallén

Synanthedon cephaliformis Ochsenheimer - ♂, ♀, A, St. Sebastian, Kärnten, leg. E. Blum

281 *Ligeria angusticornis* Loew

Pterophorus monodactylus L. - ♀, GB, Catcliffe, S. Yorkshire, leg. T. H. Ford

282 *Linnaemya comta* Fallén

Agrotis ipsilon Hfn. - ♂, ♀, CH, Gudo and Contone (TI), leg. Hächler

283 *Lydella thompsoni* Herting

Ostrinia nubilalis Hbn. - ♂, ♀, E, Prov. Lérida and Badajoz, leg. J. Lipa

284 *Masicera pavoniae* Robineau-Desvoidy

Saturnia pyri Schifferm. - I, Piovene (Vi), leg. E. Busato

285 *Masicera sphingivora* Robineau-Desvoidy

Aglais urticae L. - ♀, TR, Tokat, leg. K. Kara

Celerio centralasiae Staudinger - ♀, A, Kärnten, leg. A. Pittaway

Celerio euphorbiae L. - ♀, GUS, Kirgizistan, leg. O. Gorbunov

Euproctis chrysorrhoea L. - ♀, TR, Tokat, leg. K. Kara

Leucoma salicis L. - ♂, ♀, TR, Tokat, leg. K. Kara

286 *Medina collaris* Fallén

Lochmaea suturalis Thomson - ♂, GB, Derbyshire, leg. T. H. Ford

287 *Medina luctuosa* Meigen

Haltica querctorum Foudras - ♂, ♀, YU, Raska, Bukovic, leg. M. Glavendekic

288 *Medina separata* Meigen

Agelastica alni L. - ♀, CH, Unterlunkhofen (AG), leg. W. Sauter

289 *Meigenia mutabilis* Fallén

Gastroidea viridula DeGeer - ♂, ♀, CH, Zürichberg (ZH), leg. W. Sauter

289a *Myxexoristops stolida* Stein

Nematus pavidus Lepeletier - S, Kullaberg, leg. Benander

290 *Nemoreaa pellucida* Meigen

Axylia putris L. - ♂, ♀, I, Scafati (Sa), leg. L. Sannino

Hyphantria cunea Drury - ♂, ♀, I, leg. G. Camerini

Mamestra oleracea L. - ♀, I, Scafati (Sa), leg. L. Sannino

Phlogophora meticulosa L. - ♀, I, Scafati (Sa), leg. L. Sannino

291 *Nemorilla maculosa* Meigen

Yponomeuta mahalebillus Guenée - ♀, E, Cazorla, leg. C. M. Herrera

Scythris novicella - ♂, ♀, CH, Piora (TI) and Samedan (GR), leg. W. Sauter

292 *Nilea hortulana* Meigen

Acronicta megacephala Denis & Schiff. - S, Resarö, leg. Malaise

Acronicta psi L. - ♂, S, Tylösand (Hall.), leg. Ringdahl

293 *Ocytata pallipes* Fallén

Forficula auricularia L. - ♀, GB, Somerset, Burrington Coombe, leg. T. H. Ford

294 *Pales pavid* Meigen

Dasychira pudibunda L. - ♀, small specimen, I, Calizzano (Sv), leg. A. Arzone

Euproctis chrysorrhoea L. - ♂, TR, Tokat, leg. K. Kara

Hyphantria cunea Drury - ♀, I, leg. G. Campadelli and G. Camerini

Larentia tophaceata Schiff. - ♀, D, Stuttgart, leg. M. Leipnitz

Lycia lapponaria Boisduval on Myrica, ♀, GB, Argyllshire, leg. M. R. Shaw

Orthosia gracilis Denis & Schiff. - ♂, GB, Argyllshire, leg. M. R. Shaw

Orthosia stabilis Denis & Schiff. - S, Runmarö, leg. Nordström; ♀, I, Firenze, leg. A. Steiner

Peridroma saucia Hbn. - ♀, I, Scafati (Sa), leg. L. Sannino & Balbiani

Phlogophora meticulosa L. - ♀, CH, Gudo (TI), leg. Hächler

Xylena vetusta Hbn. on *Myrica* - ♂, GB, Argyllshire, leg. M. R. Shaw

295 *Pales processioneae* Ratzeburg

Pseudenargia ulicis Staudinger - ♂, E, Cazorla, leg. C. M. Herrera

Trigonophora flammea Esper - ♂, ♀, E, Cazorla, leg. C. M. Herrera

296 *Peribaea apicalis* Robineau-Desvoidy

Semiothisa clathrata L. - ♂, F, Limoges (Lot), leg. M. R. Shaw

297 *Peribaea tibialis* Robineau-Desvoidy

Mythimna spec. - ♀, F, Ribérac (Dordogne), leg. M. R. Shaw

298 *Phryxe caudata* Rondani

Thaumetopoea pityocampa Schiff. - ♂, ♀, E, Cazorla and Cordoba, leg. Vargas-Osuna

Thaumetopoea spec. - ♀, TR, Mugla, leg. K. Kara

299 *Phryxe erythrostoma* Hartig

Hyloicus pinastri L. - ♂, I, NW Sterzing (Trentino), leg. F. Oberprantacher

300 *Phryxe heraclei* Meigen

Lasiocampa quercus L. - ♂, GB, Cornwall, leg. T. H. Ford

Philudoria potatoria L. - ♂, D near Hoyerswerda, leg. E. Kwast

301 *Phryxe magnicornis* Zetterstedt

Abrostola tripartita Hufn. - ♀, GB, Sheffield, Yorksh., leg. T. H. Ford

Ematurga atomaria L. ♂, ♀, GB, Argyllshire, leg. T. H. Ford & M. R. Shaw

Erannis aurantianaria Hbn. - ♂, ♀, CH, Valais (1300 - 1900 m), leg. M. Kenis; ♂, YU, V. S. Losinci, leg. M. Glavendekic

Operophtera brumata L. - ♂, ♀, YU, V. S. Losinci, Brankovac, leg. M. Glavendekic; ♂, GB, Loch Linahe, leg. T. H. Ford

Zygaena filipendulae L. - ♂, ♀, D, Michelsberg bei Bruchsal, leg. Gremminger

302 *Phryxe nemea* Meigen

Colotois pennaria L. - ♀, YU, Bucovic, leg. M. Glavendekic

Cosymbia linearia Hbn. - ♀, D, Altenberg, Erzgebirge, leg. M. Messing

Erannis defoliaria Clerck - ♂, ♀, YU, Bucovic, leg. M. Glavendekic; ♀, S, leg. Ringdahl

Phlogophora meticulosa L. - ♂, GB, Sheffield, Yorksh., leg. T. H. Ford

Thyatira batis L. - ♀, D, Olbernhau, Erzgebirge, leg. M. Messing

303 *Phryxe setifacies* Villeneuve

Zygaena sarpedon Hbn. - ♀, E, Castellón, S. Vall de Uxo, leg. A. Hofmann

304 *Phryxe tenebrata* Herting

Biston isabellae Harrison - ♂, ♀, CH, Valais (1300 - 1900 m), leg. M. Kenis

305 *Phryxe vulgaris* Fallén

Aglaia urticae L. - ♀, TR, Tokat, leg. K. Kara

Lycaena phlaeas L. - ♀, GB, Bedfordshire, leg. R. Revels

Lycia hirtaria Clerck - ♂, ♀, E, Cazorla, leg. S. L. Yela

Pieris mannii Mayer - ♂, CH, Piazzogna (TI), leg. E. Pleisch

Pieris rapae L. - ♂, ♀, D, Ronnenberg/Hannover, leg. R. Hildenhaben

306 *Pseudogonia parisiaca* Robineau-Desvoidy

Hyphantria cunea Drury - ♂, I, leg. G. Campadelli

307 *Pseudoperichaeta nigrolineata* Walker

Adoxophyes reticulana Hbn. - ♂, ♀, D, Heuchlingen (near Heilbronn), leg. Epp and S. Brass

Archips rosana L. - D, Heilbronn, leg. S. Brass

Sparganothis pilleriana Schifferm. - ♂, ♀, D, Neustadt/Weinstr., leg. K. Schirra

308 *Ramonda spathulata* Fallén

Amathes spec. - ♂, CH, Vinre (VD), leg. Hächler

Cerastis rubricosa Fbr. on *Veratrum album* - ♂, ♀, CH, Col de Mosses (VD), leg. U. Schaffner

309 *Senometopia separata* Rondani

Lymantria dispar L. - ♂, ♀, TR, Tokat, leg. K. Kara

310 *Senometopia susurrans* Rondani

Semiothisa clathrata L. - ♀, F, Limogne (Lot), leg. M. R. Shaw

311 *Siphona cristata* Fbr.

Hadena compta Denis & Schiff. - ♀, GB, Lakenheath, Suffolk, leg. Pelham-Clinton

312 *Smidtia conspersa* Meigen

Epirrita spec. on *Corylus* - ♂, GB, Gaitbarrows, Lancs., leg. M. R. Shaw

313 *Staurochaeta albocingulata* Fallén

Monocetus juniperi L. - ♂, ♀, A near Innsbruck, leg. Bertrandi & Schedl

314 *Tachina corsicana* Villeneuve

Cucullia osthelderi Bours.- ♂, ♀, TR, Ankara, 10 km N Kicilcáhamam, leg. Hillmann & Moberg

315 *Tachina magnicornis* Zetterstedt

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316 *Tachina praeceps* Meigen

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317 *Thelaira nigripes* Fbr.

Spilosoma lutea Hufnagel- ♂, GB, Cornwall, leg. T. H. Ford

318 *Timavia amoena* Meigen

Chesias legatella Denis & Schiff. - ♀, D near Köln, leg. S. Nußbaum

319 *Townsendlomyia nidicola* Townsend

Euproctis chrysorrhoea L. - ♂, TR, Tokat, leg K. Kara

320 *Tryphera lugubris* Meigen

Ocnogyna baetica Rambur - ♂, ♀, E, Prov. Cordoba and Jaén, leg. J. Lipa

321 *Vibrissina turrita* Meigen

Aneugmenus spec. - ♀, A, leg. W. Schedl

Monophadnus spinolae Klug - ♂, D, Steinwald bei Neuenburg, leg. R. Wittenberg

322 *Zenillia libatrix* Panzer

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Leucoma salicis L. - ♂, ♀, TR, Tokat, leg. K. Kara

Lymantria dispar L. - ♂, D, Olbernhau, Erzgebirge, leg. M. Messing

323 *Zeuxia cinerea* Meigen

Larinus obtusus Gyllenhal -♂, ♀, RO, Cluj, leg. K. Groppe

Larinus planus Fbr. - ♀, RO, Cluj, leg. K. Groppe

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