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ZDENEK BOUČEK

A FAUNISTIC REVIEW  
OF THE YUGOSLAVIAN CHALCIDOIDEA  
(PARASITIC HYMENOPTERA)

SYNOPSIS — Bouček, Z., Com. Inst. Ent., London, GB. — A faunistic review of the Yugoslavian Chalcidoidea (parasitic Hymenoptera), — Acta entomol. Jugosl. 1977, 13, Supplementum, 146 pp.

This is a summary of research on the Yugoslavian Chalcidoidea done by the author over the last 19 years and supplemented by published records. It is based on extensive fresh material as well as on studies of all accessible older collections. Altogether 949 species are treated, alphabetically within each family, viz. 5 Leucospidae, 33 Chalcididae, 49 Eurytomidae, 1 Agaonidae, 70 Torymidae, 7 Ormyridae, 253 Pteromalidae, 15 Perilampidae, 6 Eucharitidae, 39 Eupelmidae, 166 Encyrtidae, 3 Signiphoridae, 8 Tetracampidae, 26 Aphelinidae, 240 Eulophidae, 9 Elasmidae, 9 Trichogrammatidae and 10 Mymaridae. With each species its distribution and host data are arranged according to the six countries of Yugoslavia and a brief biological characterization with stress on the hosts and general distribution is given. A taxonomic appendix is added to explain several changes of names. The bibliography includes 206 references.

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Izdavanje suplementa pomogli su

Samoupravna interesna zajednica za znanstveni rad u poljoprivredi,  
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## INTRODUCTION

The author first collected Chalcidoidea in Yugoslavia in 1958 when taking part in the »Durmitor expedition« organised by Dr. G. Nonveiller (then of Belgrade). Further collecting trips in June—July 1965 and 1968 were made possible with the kind help of Prof. Dr. I. Spačić (of Zagreb) and with support from the Croatian forestry institutions (esp. »Spačva« of Vinkovci). In 1968 the author also enjoyed help from Serbian forest entomologists, in particular from Prof. Dr. K. Vasić and Dr. R. Marović (both of Belgrade). In 1965 material was collected mainly in the districts of Zagreb and Vinkovci, in Gorski Kotar (mountainous area SW of Zagreb) and at Biograd n/m (B. na moru = B. upon Sea) on the Adriatic coast and in 1968 in the Belgrade district, on the Deliblat Sands (= Deliblatska Peščara), the Šumadija region, the Goč Mountains and again on the southern Adriatic coast, including Biograd n/m. Further extensive material examined included that collected by Dr. A. Hoffer (of Prague) on the southern Adriatic coast in 1966 and 1969, by Dr. E. Königs-mann (of Berlin) in Macedonia in 1965 and 1966, by Mr. P. Mikula (of Prague) on the Lošinj Island in September 1964 and by the late R. L. Coe (of London; his material in the Brit. Museum Nat. Hist.) on the Island of Korčula and in southern Macedonia in 1955, and Slovenia, Croatia and Serbia in 1958. Many

data are taken from the collection of Dr. A. Hensch (main part in Zagreb—Maksimir, Faculty of Agriculture) which includes some interesting material from near Krapina (NW. Croatia) and Ruma (Serbia) collected between about 1890 and 1925, and also from the collections of several Austrian and Hungarian entomologists from the Adriatic coast, northern Croatia and Serbia (deposited mostly in the Vienna and Budapest museums). In Yugoslavia, apart from the Hensch collection, the Zagreb Museum collection and in Varaždin the interesting Koščec collection were also examined and data from some specimens in the Sarajevo Museum were supplied by my friend Prof. Spaić. Notes were also made from Yugoslav Chalcids in other European museums and institutions. These include collections in Berlin, Eberswalde, Munich (München), Paris, Turin, Geneva, Vienna, Budapest, London, etc. During the past 17 years I have also examined numerous specimens submitted for identification, either through the O. I. L. B. (Organisation Internationale de Lutte Biologique) or directly by various Yugoslav colleagues, in connection with their agricultural or forestry research projects, in particular by the following: Ing. B. Arčanin (Zagreb), Ing. M. Bogavac (Belgrade), Ing. B. Britvec (Zagreb), Dr. I. Ciglar (Zagreb), Dr. J. Čingovski (Skopje), Dr. D. Hadžistević (Sarajevo, later Belgrade), Prof. Ž. Kovačević (Zagreb), Dr. M. Lekić (Belgrade), Prof. I. Spaić (Zagreb), Ing. J. Titovšek (Ljubljana) and Prof. K. Vasić (Belgrade).

The genera and species are listed alphabetically within each family. They are under their valid names, but where a change of name occurred recently and it is felt useful, the earlier name (synonym) is given in round brackets. As usual in the taxonomic literature, the author's name in round brackets means that the species was originally described under a different generic name. The reference to the description is made otherwise only by the year, for instance: Walker, 1837. The data concerning Yugoslavia which follow in the next paragraph are arranged by countries, the names of which are abbreviated as follows: SLO = Slovenia, HRV = Croatia, SRB = Serbia, BH = Bosna and Herzegovina, CRG = Montenegro (Crna Gora), MAK = Macedonia; if the record does not reveal which part of Yugoslavia, it is preceded by JUGOSL. More general statements like »southern Europe«, »Mediterranean countries« or »Balkan Peninsula« may also refer to Yugoslavia, but such records are omitted. References to Triest (= Trst) and to »Banat in Hungary« are also omitted, as probably extralimital. Localities are given in local names, not as translated names and where possible, they are arranged generally from north to south and from west to east. Square brackets refer to literature only whilst round brackets in connection with data introduce the collector or sometimes a selfevident abbreviation of the depository (e. g. »Budap. Mus.« means Budapest Museum). Otherwise generally only papers with original information are mentioned, not those with secondary, repeated data as in catalogues or other subsequent publications. Records in literature by genus name only (e. g. »*Eupteromalus* sp.«) are omitted, except in those few cases in which it was possible to me to trace and check the original material and list it under the present valid name. In some other cases the species could be recognised from the biological data. Sometimes, however, even a specific name was no clue to the identity (e. g. *Ganahlia clavicornis* [Vukasović, 1928d], certainly a misidentification, as *clavicornis* now is a synonym of *Ceranisus menes* (Walker), a parasite of Thysanoptera; Vukasović's record probably concerns an *Achrysocharella* species).

The Yugoslavian data of each species are supplemented by a brief general account of its biology and known distribution.

The number of species of Chalcidoidea (949) listed in this paper may seem impressive in comparison with some other countries; it ought to be stressed, however, that in all probability it represents only little more than one-third of the actual number of the Yugoslavian species. For example, in my experience from Czechoslovakia and Britain, the number of species of this group may be estimated as approximately the same as the number of species of plants (Anthophyta) in the same European area. In general, however, our knowledge of the European species, although greatly improved over the last 30 years, is still far from satisfactory. There are still many large genera in which relatively few species can be identified with reasonable accuracy. Consequently a considerable part of the material examined had to be left unnamed. Yugoslavia also is a large country with a great variety of biotopes and Chalcids have not been collected intensively in all of them and in some groups, e. g. in Mymaridae, relatively little material was available. Furthermore, part of the assembled material was not accessible to me in the later stages of the work. Therefore, in view of all these reasons the present paper is intended as a summary of the past work and should only be regarded as a basis for further studies.

In addition to the acknowledgements expressed to many colleagues for their help above, I wish also to thank especially to Professor Dr. Željko Kovačević and to Professor Dr. Ivan Spaić for their support, interest and encouragement during the work, to the latter also for his reading of the manuscript and help in tracing many local names.

## LEUCOSPIDAE

### *Leucospis bifasciata* Klug, 1812 (= *gibba* Klug)

HRV: Rab (= Arbe) and Pulj district, ex *Anthidiellum strigatum* L. [Fahringer, 1922; Bouček, 1974]; Hvar [Bouček, 1974]. — BH: Mostar [Bouček, 1974]. — CRG [Bouček, 1974].

Parasite of solitary bees; the only record so far is *Anthidiellum strigatum* L. Southern Europe, Near East, Central Asia.

### *Leucospis biguetina* Jurine, 1807

HRV: Krapina, 30. VI. 1923 (Hensch); Jasenova [Mocsáry, 1879, 1897; Bouček, 1974]; Senj, 6. VII. 1909 (Budap. Mus.). — SRB: Grebenac [Mocsáry, 1897]. — BH: Prenj. — CRG: (Paris Mus.).

Parasite of solitary bees but no host record known yet. Southern Europe and North Africa to Central Asia.

### *Leucospis dorsigera* Fabricius, 1775

SLO: Maribor (Jaeger). — HRV: Varaždin (Koščec); Krapina (Hensch); Pregrada [Mocsáry, 1897, Korlević, 1890]; Osijek (Budap. Mus.); Istra; Rijeka district incl. Orehotica [Mocsáry, 1897], Sušak, Žakalj [Korlević, 1890]; Bakar and Senj; Lošinj; Novalja, Pag; Hvar; Ploče (Hrbant); Kostajnica; Bilo (Budap. Mus.); (?) Pleše (Budap. Mus.); Podsused (Budap. Mus.). — CRG: Budva (Budap. Mus.). — SRB: Subotica (Budap. Mus.). — MAK: Matka (Klimesch).

Parasite of Megachiline bees of the genera *Osmia*, *Anthidium*, *Anthidiellum*. Southern and central Europe and North Africa to Central Asia and Afghanistan.

#### **Leucospis gigas** Fabricius, 1793

SLO: Gorica (Hensch); Duino near Trst (Budap. Mus.). — HRV: Istra [Schletterer, 1894], incl. Pula: Porto di Bado, ex *Osmia rufa* Panz. [Fahringer, 1922]; Isl. Susak; Rijeka district incl. Sušak, Orehovica, Žakalj, Riječina and Lokve [Korlević, 1890]; Senj (Budap. Mus.); Isl. Krk and »East-Adriatic coast« [Maidl, 1936: *L. grandis*, *L. varia*]; »Adriatic region« [Mocsáry, 1897]; Rab, ex *Chalicodoma pyrenaica* Lep. [Fahringer, 1922]; Prag: Povljana, Caska, Novalja, Košljun; Knin (Soos); Hvar (Gusenleitner); Gruž (= Gravosa) near Dubrovnik (Budap. Mus.). — BH: Uvac. — MAK: Ohrid, 7. VI. 1956 (Königsmann).

Parasite of solitary bees, e. g. of the genera *Osmia*, *Chalicodoma*, *Anthophora*. Southern parts of Palaearctic region.

#### **Leucospis intermedia** Illiger, 1807

HRV: Istra [Schletterer, 1894]; Rijeka [Mocsáry, 1897]; Hvar, VII. 1962 (Gusenleitner); Ploče, VII. 1966 (Hrubant); Gruž nr. Dubrovnik (Hentschel, Budap. Mus.).

Parasite of solitary bees, e. g. of *Osmia emarginata* Lep. From S. France and North Africa to Central Asia.

### CHALCIDIDAE

#### **Anachalcis rubra** Steffan, 1951

CRG: Tara Canyon nr. Žabljak, 30. VI. 1958 (Bouček). — MAK: Vodno nr. Skopje, 31. V. 1966 (Königsmann).

Host unkown. So far recorded only from Greece but known to me also from Bulgaria and Turkey.

#### **Antrocephalus hypsopygiae** Masi, 1928

HRV: Sućurac nr. Split, 16. VIII. 1924 (Novak).

Reared from pupa of *Hypsopygia costalis* F. (Lep.) in Central Asia. Later recorded from the Caucasus and Cyprus.

#### **Aphasganophora bidens** (Förster, 1855) (= *gallica* Sichel)

HRV: Senj and Split, ex *Nephopteryx sublineatella* Stgr. [Bouček, 1952b].

The above host record is so far the only one; parasite of moth pupae. Apparently widely distributed in warmer parts of the Mediterranean subregion, especially in North Africa, to Caucasus and Central Asia.

#### **Belaspidia obscura** Masi, 1916

HRV: Krapina-Stari Grad, 9. VII. 1923 (Hensch); »Lacroma« (= Lokrum) [Bouček, 1952b]. — SRB: Subotica and Pirot [Bouček, 1952b]. — MAK: Ohrid district: Rača and Orce Nikolov, VI. 1966 (Königsmann); Otešovo nr. Prespa, VI. 1955 (Coe); Motel Mavrovo and Novi Dojran, VI. 1966 (Königsmann).

Parasite of Psychids of the genus *Apterona*. Throughout southern and partly also central Europe, to Transcaucasia.

#### **Brachymeria coloradensis** (Cresson, 1872) (= *dalmani* Thomson)

HRV: Varaždin (Košćec); Krapina (Hensch); Trnovec nr. Krapina (Igalfy); Zagreb; Istra [Bouček, 1952b: *B. fonscolombei*]; Senj [Mocsáry, 1897: *Ch. fonscolombei*]. — BH: Štolač [Ruschka, 1922: *Ch. fonscolombei*]; Treska Valley [Bouček, 1952b: *B. fonscolombei*]. — CRG: near Žabljak, VI. 1958 (Bouček). — SRB: Subotica [Bouček, 1952b: *B. fonscolombei*].

Parasite of Tachinids including *Compsilura concinnata* Meig. and *Blaesoxiphia lineata* Fall. (latter a parasite of Orthoptera). Holarctic in distribution.

#### **Brachymeria femorata** (Panzer, 1801)

HRV: Varaždin (Košćec); Krapina (Hensch); Pakrac [Mocsáry, 1897]; »Dalmatia« [Ruschka, 1922]; Biograd n/m, VII. 1968 (Bouček); Hvar; Korčula and Lastovo [Bouček, 1952b]. — SRB: Palić, ex *Hyphantria cunea* Drury [Bogavac, 1953]; Subotica and Deliblato [Bouček, 1952b]; Vrdnik [Bouček, 1952b]; Ruma (Hensch); Stara Pazova. — BH: Prenj [Bouček, 1952b]. — MAK: Ohrid (Alston).

Parasite in pupae of various Lepidoptera, widely distributed in southern parts of the Palaearctic region.

#### **Brachymeria inermis** (Fonscolombe, 1840) (= *punctulata* Förster)

HRV: Krapina (Hensch). — SRB: Ruma (Hensch); Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Berane, 6. VII. 1917 (Budap. Mus.). — MAK: Ohrid, 5. VII. 1965 (Königsmann).

Parasite of *Cassida* spp. Widely distributed in southern parts of the Palaearctis.

#### **Brachymeria intermedia** (Nees, 1834)

SLO: Tolmin (Graeffe). — HRV: Varaždin (Košćec); Krapina (Hensch); Vinkovci; Zagreb; Pakrac [Mocsáry, 1897]; Istra [Schletterer, 1894: *Ch. boops*]; Rijeka district [Korlević, 1890]; Rab, ex *Pieris brassicae* L. and *Papilio podalirius* L. [Fahringer, 1922]; Novi, Hrasno and Trogir [Bouček, 1952b]; Sućurac nr. Split (Novak); Metković (Maidl); Djakovar, Opalina, Rad, Ulma and Zrmanja [Bouček, 1952b]; Loznica nr. Dubrovnik (Aubertin). — SRB: Palić and Bački Petrovac, ex *Hyphantria cunea* Drury [Bogavac, 1953]; Vrdnik [Mocsáry, 1897]; Subotica [Bouček, 1952b]; Beograd district, ex *Psammotis hyalinatus* Hbn. [Vukasović, 1928d]; Grebenac [Mocsáry, 1897; Bouček, 1952b]; »Serbia«, ex *Lymantria dispar* L. [Vasić, 1958, 1958; Vasić & Sisojević, 1958]. — BH: Valley of lower Neretva, ex *Sesamia cretica* Lep. [Hadžistević, 1961]. — MAK: Ohrid-Konjko (Königsmann); Strumica, ex *L. dispar* [CILB, 1961].

Parasite in pupae of various Lepidoptera. Holarctic in distribution (introduced in America).

#### **Brachymeria minuta** (Linnaeus, 1767)

SLO: Maribor, Tolmin. — HRV: Varaždin (Košćec); Krapina (Hensch); Pregrada; Zagreb; Istra [Schletterer, 1894]; Pulj; Rijeka district incl. Orehovica, Vežica, Bakar, Novi, Crikvenica, Senj, Vaganski vrh, Velebit Mts. [Korlević, 1890; Mocsáry, 1897; Bouček, 1952b]; Krk, Rab, Zadar, Hvar, Ploče, Dubrovnik, Lastovo [mostly Bouček, 1952b]; Križevac, Selce, Grižane, Vitkovac [Bouček, 1952b]. — SRB: Subotica, Stara Pazova, Pirot, Grebenac, [Bouček, 1952b]; Beograd district incl. Ada Huja, ex *Lym. dispar* L., also as hyperparasite [Sisojević, 1953; Vasić & Salatić, 1959, ex *Yponomeuta malinella* Zell. [Vukasović,

1928d, 1929b, 1933a]; Mladenovac and Jakovački Ključ, ex *L. dispar* [Sisojević, 1953; Vasić & Salatić, 1959]; Horgoš and Niš [Bouček, 1952b]. — BH: Sarajevo and eastern Herzegovina, ex *Yponomeuta malinella* Zell. and *Y. padella* L. [Vaclav, 1958]. — CRG: Kotor and Zelenika [Bouček, 1952b].

Parasite in puparia of various Sarcophagidae and Tachinidae, more rarely in pupae of Lepidoptera (there secondary?). Common Palaearctic species, now distributed also in many other parts of the world.

**Brachymeria moerens** (Ruschka, 1922)  
BH: Brazda Mts. [Bouček, 1952b]. — MAK: Korab Mts., Stirovica, 27. VII. 1935 (Martino).  
Host unknown (probably Diptera). Southern Europe to the Caucasus.

**Brachymeria podagrion** (Fabricius, 1789) (= *neglecta* Masi)  
SLO: Gorica (Hensch). — HRV: Krapina (Hensch); »Croatia«, Senj, Zadar [Bouček, 1952b]; Sućurac nr. Split (Novak).

Parasite of Sarcophagidae. Widely distributed in the warmer parts of the world.

**Brachymeria rugulosa** (Förster, 1859)  
SLO: Tolmin [Ruschka, 1922]. — HRV: Krapina (Hensch); Novi and Senj [Bouček, 1952b]; »Dalmatia« [Ruschka, 1922]; Split, ex *Andricus argenteus* gall (Gasparini); Krk (Mader). — SRB: »Serbia«, Subotica [Bouček, 1952b]; Ruma (Hensch); Mladenovac [Bouček, 1952a]. — MAK: Prespa-Otešev, VI. 1955 (Coe).

Parasite of various small moth. From Spain to Siberia, mainly in southern countries.

**Brachymeria secundaria** (Ruschka, 1922)  
HRV: Krapina (Hensch). — BH: Hrasno [Bouček, 1952b]. — SRB: Subotica [Bouček, 1952b]; Beograd-Savski Most, ex *Apanteles* in *Stilpnota salicis* L., VIII. 1964 (Vasić); ? Beograd district, hyperparasite of *Plutella maculipennis* Curt. [Vukasović, 1928d; *Brachym.* sp.].

Parasite in cocoons of Braconidae and Ichneumonidae and through them hyperparasite of Lepidoptera. Warmer parts of the Palaearctis.

**Brachymeria vitripennis** (Förster, 1859)  
HRV: Krapina (Hensch); Istra ((Graeffe); Pula [Bouček, 1952b]. — SRB: Subotica and Petrovaradin [Bouček, 1952b]. — MAK: Ohrid, VI. 1955 (Coe).  
Parasite of *Cassida* spp. Southern Europe to Central Asia.

**Brachymeria walkeri** (Dalla Torre, 1898) (= *vicinia* auct.)  
SLO: Ljubljana [Bouček, 1952b]; Tolmin [Ruschka, 1922]. — HRV: Krapina, Zagreb and Senj (Hensch); Pula and Rijeka-Volosko [Ruschka, 1922]; Bačkar, Novi and Rab [Bouček, 1952b]; Split-Sućurac (Novak); Ploče (Hrubant). — SRB: Subotica and Deliblato [Bouček, 1952].

Parasite of Diptera, mainly in puparia of Sarcophagidae. Whole of the Mediterranean subregion to Central Asia.

### **Chalcis myrifex** (Sulzer, 1776)

HRV: Novi Grad, v. 1958 (Coe); Split [Bouček, 1952b], Metković. — SRB: Niš.

Reared from puparia of *Stratiomyia longicornis* Scop. Central Europe and Britain, to Tunisia.

### **Chalcis sispes** (Linnaeus, 1761)

HRV: Krapina (Hensch). — BH: »Bosna« [Bouček, 1952b]; Travnik [Bouček, 1952b]; Ilidža. — SRB: Palić [Bouček, 1952b]; Požarevac; Bela Palanka; Niš.

Parasite in puparia of *Stratiomyia* spp. in shallow waters. From Britain and North Africa to the Far East (Ussuri) region of USSR.

### **Dirhinus hesperidum** (Rossius, 1790)

HRV: Rijeka-Volosko [Bouček, 1952b]; Novi, 1900 (Horváth, Budap. Mus.); Biograd n/m, 11. VII. 1968 (Bouček); Split and Dubrovnik, 1914 (Horváth). — BH: Neum, 8. VII. 1968 (Bouček).

Parasite of Sarcophagidae. Palaearctic in distribution.

### **Dirhinus parotideus** Masi, 1942

HRV: Rijeka-Volosko [Masi, 1942].  
Host unknown. Described from one specimen; not recorded since.

### **Eucepsis hofferi** (Bouček, 1952)

HRV: Split-Sućurac, 12. VIII. 1924 (Novak).  
Host still unknown (probably Lepidoptera). Mediterranean subregion (locally) to Central Asia.

### **Eucepsis mansues** (Nikolskaja, 1952)

HRV: Biograd n/m, 19. VII. 1968 (Bouček).  
Probably a parasite of Lepidoptera. From Yugoslavia to the Near East and to Central Asia.

### **Euchalcidia nigripes** (Fonscolombe, 1832)

SLO: Tolmin [Bouček, 1952b]. — HRV: Krapina, VI.—VII. (Hensch); Istra, Nabrežina (Graeffe); Rijeka-Volosko [Bouček, 1952b]; Biograd n/m, VII. 1965 (Bouček). — CRG: Herceg Novi, 9. VI. 1925. — MAK: Prespa-Otešev, VI. 1955 (Coe); Novi Dorjan, 8. VI. 1966 (Königsmann).

Pupal parasite of some small moths (Lepidoptera). Widely distributed in the Mediterranean subregion and Central Asia.

### **Euchalcis vexans** Bouček, 1972

HRV: Biograd n/m [Bouček, 1972c].  
Host unknown. From Spain and southern France to Yugoslavia.

### **Haltichella rufipes** (Olivier, 1790)

HRV: Varaždin (Koščec); Krapina (Hensch); »Dalmatia« and Gospić [Bouček, 1952b]. — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Reared in Moldavia from pupa of *Lagria hirta* L. (Col.: Lagriidae). Widely distributed Palaearctic species.

**Hockeria bifasciata** Walker, 1834

SLO: Topla [Bouček, 1952b]. — HRV: Istra, Lipa, 1915 (Fodor, Budap. Mus.). — CRG: Kotor [Bouček, 1952b].

Parasite in pupae of various moths. Mainly southern Europe, also Turkey.

**Hockeria magna** Bouček, 1952

HRV: »Dalmatia« [Bouček, 1952b]. — SRB: Subotica [Bouček, 1952b]. Pupal parasite of various moths. Widely distributed in southern parts of Palaearctic region.

**Hockeria unicolor** Walker, 1834

SLO: Tolmin [Bouček, 1952b]. — HRV: Ugljan, Kali and Biograd n/m, 1965 (Bouček). — BH: Bileće. — SRB: Staro Gradsко, ex *Vulkaniella pomposella* Zell., 10. VI. 1971 (Bogavac).

Parasite of various small Lepidoptera. Southern parts of Europe to Central Asia.

**Invreia ligistica** Masi, 1927

HRV: Split-Sućurac, 7. VII. 1924 (Novak).

Host still unknown. Mediterranean countries to Central Asia.

**Invreia nigerrima** Masi, 1927

HRV: Split-Sućurac, 9. VIII. 1920 (Novak). — MAK: Novi Dojran, 25. VI. 1965 (Königsmann).

Host unknown. Eastern Mediterranean countries to Kazakhstan.

**Invreia rufitarsis** (Illiger, 1807)

HRV: »Dalmatia« [Bouček, 1952b]; *I. clavipes*; Split, 1862 (Mann, Vienna Mus.).

Parasite of small Lepidoptera, e. g. reared from *Myelois cinctipalpella* Chr. Mediterranean countries to Central Asia.

**Lasiochalcidia dargelasii** (Latreille, 1805)

HRV: Krapina, 13. VI. — 8. IX. (Hensch); Istra (Graeffe); Bakar [Mocsáry, 1897; *H. fronticornis*; Bouček, 1952b]. — SRB: Subotica [Bouček, 1952b]; Grebenac [Mocsáry, 1897; *H. tenuicornis*; Bouček, 1952b]. — BH: Živavoda and Vreska valley [Bouček, 1952b].

Probably parasite of Myrmeleontidae. Widely distributed in Mediterranean countries up to Czechoslovakia; also Central Asia.

**Lasiochalcidia guineensis** (Steffan, 1951)

SRB: Subotica [Bouček, 1952b]; *L. indescripta*.

Parasite of Myrmeleontidae (indet., the name of the host not known for certain). Southern Europe to Czechoslovakia, North and West Africa; on sands.

**Neochalcis fertoni** (Kieffer, 1899)

HRV: Varaždin, 3. VII. (Koščec); Istra [Bouček, 1952b]; Biograd n/m, 13. VII. 1968 (Bouček). — MAK: Katljanovo, Pčinja dolina, 23. VI. 1965 (Königsmann).

Parasite of Aculeate Hymenoptera nesting in twigs and stems. North Africa and southern Europe (up to Czechoslovakia) to Central Asia.

**EURYTOMIDAE**

**Archirileya inopinata** Silvestri, 1920 (= *Sidonia podagrifica* Erdös)

HRV: Biograd n/m, 11. VII. 1968 (Bouček). — SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Parasite in eggs of *Eoecanthus pellucens* Scop., *Tettigonia orni* L. and *Cicada plebeja* Scop. in stems or twigs of plants. Tunisia, Spain (n. rec.), Italy, Yugoslavia, Bulgaria (n. rec.), Hungary, Czechoslovakia, Moldavian SSR, Transcaucasia.

**Bruchophagus platypterus** (Walker 1834 = *kolobovae* Fedoseeva)

SRB: Debrč, ex pods of *Lotus* with *Apion loti*, VIII. 1976 (Tanasijević).

Phytophagous in seeds of *Lotus corniculatus* (and some other *Lotus* species). Holarctic.

Two other species, *Bruchophagus gibbus* (Boheman) developing in seeds of *Trifolium* spp., and *Bruchophagus rodii* Gussakovskij from seeds of *Médiago* spp., both of which certainly also occur in Yugoslavia (but no definite record of them is known to me), were often confused with *B. platypterus* in the past. And when the species of this group are critically revised, *Bruchophagus* may be placed again in synonymy under *Eurytoma*.

**Eurytoma acericola** Szelényi, 1975

HRV: Karlobag [Szelényi, 1975].

Reared from galls on *Acer campestre* L. Known only from Dalmatia.

**Eurytoma aciculata** Ratzeburg, 1848

HRV: Zalesina, Gorski Kotar, ex *Pontania viminalis* L., IX. 1971 (Spaić).

Parasite in galls of Tenthredinidae on *Salix* spp. Almost whole Europe except dry regions in the south.

**Eurytoma amygdali** Enderlein, 1907

BH: Stolac, ex wild almonds, 10. III. 1900 (Sarajevo Mus., not seen). — MAK: Gevgelija [Atanasov, 1962].

Phytophagous in seeds of *Amygdalus communis* (= *Prunus dulcis*). Southeastern Europe, Turkey, Near East.

**Eurytoma arctica** Thomson, 1876

HRV: Spačva near Vinkovci, 21. VI. 1965 (Bouček).

Parasite of various Scolytidae. In forests of whole Europe.

**Eurytoma aspila** (Walker, 1836) (= *phanacidis* Mayr)

HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Devojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Parasite in galls of *Phanacis centaureae* Förster (Cynipidae) in stems of *Centaurea* spp. Whole Europe.

**Eurytoma brunniventris** Ratzeburg, 1852

HRV: Poreč, Istra, ex galls on *Quercus*, VI. 1970 (Quinlan). — BH: Sarajevo, ex oak galls, V. 1910; Ustiprača; Kijevo. — SRB: »Banat« ex *Andricus argenteus* and *A. hungaricus* [Mayr, 1878; as *E. rosae*].

Parasite in various Cynipid galls on oaks; earlier confused with *E. rosae* Nees. Whole Europe.

**Eurytoma curculionum** Mayr, 1878

JUGOSL: ex *Agrilus rubicola* Ab. and *Lasioptera rubi* Heeg. [OILB, 1971] (doubtful). — BH: Mostar, ex stems of *Linaria dalmatica*, 2. VIII. 1971 (Bogavac). — MAK: Bitolj, ex *Mecinus janthinus* in *Linaria dalmatica*, 1970 (Bogavac); D. Matejevac, ex *Gymnetron* sp. in *Linaria genistifolia*, VII. 1970 (Bogavac).

Parasitic in galls of Curculionidae on stems of various plants. Central and southern Europe; little known.

**Eurytoma dentata** Mayr, 1878

HRV: Krapina (Hensch). — BH: Bosanska Krajina [Andjelić-Stankelić & Tanić, 1960].

Parasite in galls of various Cecidomyiidae on Cruciferous plants (legumes). Probably whole Europe but mainly in the south.

**Eurytoma euphorbiae** Zerova 1970

CRG: Žabljak district, incl. Podgora at the Tara Canyon, VI. 1958 (Bouček). Phytophagous in seeds of *Euphorbia* spp.; reared e. g. from *Euphorbia virgata* W. K. in Ukraine, but not recorded since.

**Eurytoma goidanichi** Bouček, 1970

HRV: Krapina; Ugljan [Bouček, 1970b]. — SRB: Pančevo, ex *Apanteles* sp. [Bouček, 1970b]; Karadere, VI. 1968 (Vasić). — MAK: Demir Kapija, hyperparasite of *Lymantria dispar* L. [Bouček, 1970b].

Hyperparasite of Lepidoptera via their primary parasites as Braconidae (e. g. *Apanteles* spp.) and Ichneumonidae. Southern Europe up to Slovakia and Moldavian SSR.

**Eurytoma gyrofpii** Erdös, 1957

HRV: Zagreb-Gračani [Bouček, 1970b].

Parasite of Anobiidae in dead wood. Czechoslovakia, Hungary, Yugoslavia, Italy.

**Eurytoma lobopterae** Erdös, 1964

HRV: Kali, Ugljan, VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček). Parasitic in oothecae of *Phyllostromia decipiens* Germ. (Blattodea). Spain (n. rec.), France, Yugoslavia, Europ. Turkey (n. rec.).

**Eurytoma mayri** Ashmead, 1887

HRV: Krapina (Hensch).

Parasite in galls of *Diastrophus* spp., mainly of *D. rubi* Hart., on some *Rubus* spp. Whole Europe, but still little known.

**Eurytoma morio** Boheman, 1836

HRV: Krapina (Hensch).

Parasite of many Scolytidae. Whole Europe.

**Eurytoma nodularis** Boheman, 1836

HRV: Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — BH: Neum, 8. VII. 1968 (Bouček).

Parasite of Aculeate Hymenoptera (mainly Sphecidae) nesting in stems and twigs of plants. Whole Europe.

**Eurytoma ochraceipes** Kalina, 1970

HRV: Kali, Ugljan; Biograd n/m [Kalina, 1970].

Host unknown. So far recorded only from Yugoslavia but known to me also from Bulgaria (n. rec.).

**Eurytoma ?oophaga** Silvestri, 1920

SRB: Valjevo and Resen, ex *Oecanthus pellucens* Scop. [OLIB, 1971].

Described as egg parasite of the above host, reared from it in France and Italy. Apparently widely distributed in southern Europe.

**Eurytoma pistacina** Rondani, 1877 (= *setigera* Mayr)

HRV: Pula, Istra, ex *Synergus umbraculus* Oliv. and *S. pallicornis* Hart. in galls of *Andricus kollaris* and *A. conglomeratus* [Fahringer, 1922].

Parasite in various Cynipid galls on oaks and in fruits of *Pistacia* spp. Southern Europe to Crimea.

**Eurytoma robusta** Mayr, 1878

SRB: Avala nr. Beograd; Goč Mts. [Vasić, 1967]; Stragari, ex *Evetria buoliana* L. [Vasić, 1967; doubtful record]; Mrka Stena, Goč Mts., 19. VI. 1964 (Vasić).

Parasite in galls of *Aylax* spp. (Cynipidae) on *Centaurea* spp. Whole Europe.

**Eurytoma rosae** Nees, 1834

SRB: Beograd district, ex *Diplolepis rosae* L. [Vukasović, 1928d]; dubious record: Valjevo, ex *Agrius rubicola* Ab. [OILB, 1971].

Parasite in *Diplolepis* galls (Cynipidae) on *Rosa* spp. Holarctic.

**Eurytoma salicis** Walker, 1834 (= *salicis* Thomson, 1876)

SRB: Dobra Voda, Goč Mts., 1. VII. 1968 (Bouček).

Parasitic in galls on *Salix*, but still little known. Europe.

**Eurytoma spinipes** Kalina, 1970

HRV: Biograd n/m, 14. VII. 1968 (Bouček).

Host unknown. Recorded from Czechoslovakia, Moldavian SSR and Transcaucasia (Georgia).

**Eurytoma squamea** Walker, 1834

HRV: Biograd n/m, VII. 1968 (Bouček).

Host unknown. Britain, Yugoslavia, Czechoslovakia (Štúrovo, n. rec.).

**Eurytoma tibialis** Boheman, 1836

SRB: Ruma (Hensch).

Parasite of Trypetidae in flowerheads of *Cirsium* and *Carduus* spp. Whole Europe.

**Eurytoma tilicola** Hedqvist, 1966 (? = *pyrrhidii* Erdös)

HRV: Krapina [Bouček, 1970b].

Parasite of Cerambycidae and Buprestidae in trunks and branches of various trees. Finland, Czechoslovakia, Hungary, Yugoslavia, Italy and France (n. rec.).

**Eurytoma verticillata** (Fabricius, 1798)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Batajnica, ex *Stilpnobia salicis* L. [CILB, 1961]; Ruma, ex *S. salicis*, 5. VI. 1968 (Vasić); Beograd, ex *S. salicis*, 29. VIII. and 15. IX. 1964 (Vasić); Beograd district, ex *Hormius moniliatus* Nees and *Microgaster globata* Nees [Vukasović, 1928d; as *Eur. appendigaster*]; Valjevo, ex *Parthenolecanium corni* Bouché (Mitić) [CILB, 1963; dubious record]; Jak. Ključ, V. 1958, ex *Apanteles porthetriae* Muesb. (Vasić). — MAK: Prilep, ex *Apanteles* sp., VI. 1967 (Vasić).

Hyperparasite of Lepidoptera through various Braconidae, e. g. *Apanteles* spp. Earlier often misidentified as *Eurytoma appendigaster* (Swederus), a species developing in grass stems. Whole Europe.

**Eurytoma wachtli** Mayr, 1878

SRB: Klinske Livade, 12. IX. 1967, ex *Pissodes* sp. (Marović). — MAK: ex *Pissodes notatus* F. [Karaman, 1968; as *E. ?nodularis*].

Parasite of Curculionidae in bark of *Pinus* spp. Whole Europe.

**Ipideurytoma spessivtsevi** Bouček & Novicky, 1954

BH: Sarajevo-Pale, 11. VI. 1916 (Apfelbeck); Pazarište, 20. VII. 1930 (Fodor).

Parasite of Scolytidae of the genera *Xyleborus* and *Xyloterus*. Whole of Europe (probably holarctic).

**Nikanoria metallica** (Erdös, 1956)

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček). — SRB: Rošijana and Grebenac, Deliblat, Peščara, 28., 29. VI. 1968 (Bouček).

Host unknown; species probably phytophagous in some seeds. Czechoslovakia, Hungary, Yugoslavia, Moldavian SSR.

**Sycophila biguttata** (Swederus, 1795) (= *Eudecatoma biguttata*)

SLO: Ljubljana, ex oak galls [Schmidt, 1851; as *Eurytoma signata*]. — HRV: Krapina; Rijeka; Lisina, Istra; »Dalmacia« [Mayr, 1905]; Kali, Ugljan; Biograd n/m. — SRB: »Banat« [Mayr, 1905]; Beograd-Košutnjak; Dobra Voda, Goč Mts. — BH: Konjic and Prenj, ex oak galls. — CRG: Sutomore; Ulcinj. — MAK: Popova Šapka.

Parasite in various galls, mainly on woody plants, e. g. in many oak galls caused by Cynipidae. Whole Europe.

**Sycophila binotata** (Fonscolombe, 1832) (= *plagiotrochi* Mayr)

HRV: Biograd n/m, VII. 1965 and 1966 (Bouček, Hoffer). — CRG: Ulcinj, 27. VII. 1969 (Hoffer).

Parasite in galls of Cynipidae on some Mediterranean evergreen oaks, e. g. *Quercus coccifera* and *Quercus ilex*. Circum-Mediterranean.

**Sycophila concinna** (Bohemian, 1836)

CRG: Igalo, VIII. 1906 (Horváth, Budap. Mus.).

Parasite in galls caused by Cynipidae of the genus *Xestophanes* on *Potentilla* spp. Whole Europe.

**Sycophila flavidollis** (Walker, 1834)

HRV: Biograd n/m, VII. 1965 and 1968 (Bouček). — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Parasite in galls of various Cynipidae on oaks. Whole Europe.

**Sycophila mellea** (Curtis, 1831)

HRV: Biograd n/m, VII. 1968 (Bouček).

Parasite of various *Tetramesa* spp. (Eurytomidae) in grass stems. Holarctic.

**Sycophila submutica** (Thomson, 1876)

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček); Krapina (Hensch); Zagreb-Gračani, 18. VI. 1965 (Bouček). — SRB: Grebenac, 29. VI. 1968, and Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček). — BH: Konjic, 12. VIII. 1964 (J. Král). — CRG: Zelenika, Boka Kotorska, VIII. 1906 (Horváth). — MAK: Orce Nikolov, Ohrid Lake, 15. VI. 1966 (Königsmann).

Parasite in galls of various Cynipidae, mainly on herbaceous plants. Whole Europe.

**Sycophila variegata** (Curtis, 1831)

HRV: Pula, Istra, ex *?Synergus umbraculus* Oliv. in gall of *Andricus coriarius* Hartig on *Quercus lanuginosa* [Fahringer, 1922]; Biograd n/m, VII. 1965, 1966 (Bouček, Hoffer).

Parasite in Cynipid galls on oaks. Whole Europe.

**Systole albipennis** Walker, 1832

HRV: Krapina, VIII. 1915 (Hensch). — CRG: Podgora nr. Žabljak, VI. 1958 (Bouček).

Phytophagous in seeds of several species of Daucaceae (Umbelliferae), e. g. in *Carum carvi* L., *Phoeniculum*. Whole Europe, also Iran.

**Systole bipunctata** Erdös, 1952

HRV: Zadar, 24. VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček).

Phytophagous in seed of *Eryngium planum* L. Czechoslovakia, Hungary, Yugoslavia, Transcaucasia (Azerbaijan).

**Systole nikolskayae** Zerova, 1968 (? = *salviae* Zerova)

SRB: Priština, ex seeds of *Salvia aethiops*, VII. 1970 and 1971 (M. Bogavac).

Phytophagous in seeds of several species of *Salvia*. Yugoslavia, Ukraine. Systematically it is doubtful whether this species belongs to the genus *Systole* Walker.

**Tetramesa aciculata** (Schlechtendal, 1891)

SRB: Grebenac, 29. VI. 1968 (Bouček).

Produces galls in stems of *Stipa capillata* L. and *S. pennata* L. (= *joannis Celak.*). Distributed with the host grass, from southern Europe to Czechoslovakia and Ukraine.

**Tetramesa brachypodii** (Schlechtendal, 1891)

HRV: Crikvenica, on *Brachypodium ramosum* [Baudyš, 1928; as *Isosoma*].

Produces galls in stems of several *Brachypodium* spp. Southern and central Europe; probably widely distributed but still little known.

**Tetramesa brevicollis** (Walker, 1836) (= *hieronymi* Schlechtendal)  
BH: Bokševica Mts., on *Festuca* sp. [Baudyš, 1928; as *Isosoma hieronymi*].  
Produces spindle-shaped galls on lower parts of stems of some *Festuca* spp., especially on *F. rubra* L. Local but widely distributed in Europe.

**Tetramesa brevicornis** (Walker, 1832) (= *ruschkai* Hedicke)  
SRB: Deliblato, on *Festuca wagneri* [Baudyš, 1928; as *Isosoma ruschkai*].  
Gall-former in stems of some *Festuca* spp. Probably whole Europe.

**Tetramesa cylindrica** (Schlechtendal, 1891)  
SRB: Grebenac, 29. VI. 1968 (Bouček).  
Gall-maker in inflorescences of *Stipa pennata* L. Southern Europe including Ukraine.

**Tetramesa fulvicollis** (Walker, 1832)  
HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček). — CRG: Zmijnično jezero and Podgora near Žabljak, 30. VI. and 2. VII. 1958 (Bouček); Ulcinj, 11. VI. 1969 (Hoffer).  
Produces galls in stems of *Brachypodium* spp. Whole Europe.

**Tetramesa hyalipennis** (Walker, 1832)  
HRV: Crikvenica, galls on *Agropyrum littorale* [Baudyš, 1928].  
Produces characteristic galls on various species of *Agropyrum*. Whole Europe.

**Tetramesa linearis** (Walker, 1832)  
SRB: Raška, V. 1969 (Marović).  
Common gall-forming species in stems of *Agropyrum repens*. Holarctic.

## AGAONIDAE

**Blastophaga psenes** (Linnaeus, 1758)  
HRV: Opatija nr. Rijeka, ex figs, 6. VII. 1966 (Starý); Biograd n/m, VII. 1968 (Bouček); Zrmanja, ex figs (Budap. Mus.).

Phytophagous in figs of *Ficus carica* L. and with the latter native in the countries of the Mediterranean basin and introduced e. g. into California, South Africa, India.

## TORYMIDAE

**Antistrophoplex cothurnatus** (Masi, 1921)  
HRV: Krapina (Hensch); Gruž; Isl. Rab and Split-Marjan [Ruschka, 1923]; Ugljan, VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček); Korčula, V. 1955 (Coe). — SRB: Subotica (Taubert); Vršac (Pável, Budap. Mus.). — CRG: Staribor [Ruschka, 1923]; Ulcinj, VII. 1969 (Hoffer).

Reared from fruits of *Phlomis fruticosa* containing larvae of *Olethreutes sororiana* Hbn. (Lepidoptera). Circummediterranean, up north to Czechoslovakia and Moldavian SSR, also Transcaucasia.

**Antistrophoplex robustus** (Bouček, 1970)  
MAK: Stari and Novi Dojran [Bouček, 1970a].  
Host unknown. Recorded from Yugoslavia and Bulgaria.

**Cryptopristus caliginosus** (Walker, 1833)  
MAK: Motel Mavrovo, 22. VI. 1966 (Königsmann).  
Parasitic in grass stems, probably on some *Tetramesa* sp. Whole Europe, to Transcaucasia.

**Didactyliocerus dispar** Masi, 1916  
HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Rab and Dubrovnik [Ruschka, 1923; latter as »Ragme«, = Ragusa]; Biograd n/m, VII. 1968 (Bouček); Mravinca, Dalm., 10. VI. 1911 (Spaney-Schumacher). — CRG: Bar, 18. VI. 1969 and Ulcinj, VII. 1969 (Hoffer). — MAK: Saraj nr. Skopje, 11. VI. 1966, and Novi Dojran, 25. VI. 1965 (Königsmann).

Host still unknown. Southern Europe up to Slovakia and Transcaucasia.

**Dimeromicrus kiesenwetteri** (Mayr, 1874) (= *longicauda* Masi)  
HRV: Gruž [Ruschka, 1923; as Gravosa]; Mali Lošinj, IX. 1964 (Mikula). — SRB: Kršanje, Tara Mts., 24. VII. 1968 (Marović). — MAK: Ohrid, 5. VII. 1965 (Königsmann); Prespa-Oteševo, VI. 1955 (Coe); Motel Mavrovo, 22. VI. 1966 (Königsmann); Struga, Crni Drim, 1. VII. 1965 (Königsmann); Lake Dojran, 24. VI. 1965 (Königsmann).

Parasite of Tryptidae in their galls in stems and flower-heads of Asteraceae (= Compositae). Widely distributed in the Mediterranean subregion, also in Czechoslovakia and Madeira (n. rec.).

**Diomorus armatus** (Boheman, 1834)  
HRV: Krapina (Hensch).  
Parasite of some species of Sphecidae (e. g. genus *Trypoxylon*) in twigs of *Rubus* and similar plants. Probably whole Europe.

**Diomorus calcaratus** (Nees, 1834)  
HRV: Varaždin (Košćec); Krapina (Hensch); Senj, 1913 (Budap. Mus.); Crikvenica (Szilády, Budap. Mus.). — BH: Imotski nr. Mostar. — SRB: Ruma (Hensch); Beograd, 15. VI. 1971 (Bogavac). — MAK: Ohrid, VI. 1955 (Coe).

Parasite of some small wasps (e. g. Sphecidae of genus *Stigmus*) in twigs of *Rubus* and stems of various plants. Whole Europe, also Central Asia.

**Diomorus cupreus** (Spinola, 1808) (= *kollaris* Förster)  
HRV: Varaždin (Košćec); Krapina (Hensch); Isl. Krk (Mader); »Dalmatia« [Mayr, 1874]; Knin. — CRG: Ulcinj, ex stem of *Linaria dalmatica*, VI. 1970 (M. Bogavac).

Parasitic on similar hosts as the preceding species, also on some solitary bees (gen. *Osmia* e. g.). Southern and central Europe, also Central Asia.

**Eridontomerus laticornis** (Förster, 1859)  
HRV: Zadar and Isl. Ugljan, VII. 1966 (Hoffer). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Host not yet known for certain, but all *Eridontomerus* spp. seem to be parasites in galls of *Tetramesa* spp. (Eurytomidae) in grass stems. Central and southern Europe, to Transcaucasia.

**Exopristus trigonomerus** (Masi, 1916)

HRV: Krapina, 9. X. 1911 (Hensch); Isl. Ugljan, 12. VII. 1965 (Bouček); Biograd n/m, VII. 1965, 1968 (Bouček); Isl. Korčula, 1914 (Horvath) and V. 1955 (Coe). — BH: Mostar, ex seed of *Linaria dalmatica*, 9. VIII. 1971 (Bogavac); Neum, 8. VII. 1968 (Bouček). — MAK: Ohrid and Orce Nikolov, VI. 1966 (Königsmann).

Host unknown. Throughout southern Europe and North Africa to Transcaucasia.

**Glyphomerus europaeus** (Erdös, 1957)

SRB: Rošijana, Deliblat. Peščara [Bouček, 1970a].

Probably parasitic on some insects associated with *Festuca*. Czechoslovakia, Hungary, Yugoslavia.

**Glyphomerus stigma** (Fabricius, 1793)

HRV: Krapina (Hensch); Zagreb (Hensch); Pula, Istra, ex *Diplolepis rosae* L. [Fahringer, 1922]. — SRB: Beograd district, ex *Dipl. rosae* [Vukasović, 1928a, 1928d].

Parasite in the twig-galls on roses caused by the Cynipids of the genus *Diplolepis* (= *Rhodites*). Common in western Palaearctis and in North America.

**Glyphomerus tibialis** (Förster, 1859)

HRV: Biograd n/m [Bouček, 1970a]. — CRG: Durmitor Mts. [Bouček, 1970a]. — MAK: Motel Mavrovo, 22. VI. 1966 (Königsmann).

Parasite in some galls on herbaceous plants, including *Tetramesa* galls in grass stems. From Britain to Transcaucasia but absent in northern Europe.

**Idarnotorymus pulcher** Masi, 1916

HRV: Kali on Ugljan, 20. VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček).

Associated with grassy vegetation but host still unknown. Mainly Mediterranean species, up north to Czechoslovakia, also Central Asia.

**Liodontomerus papaveris** (Förster, 1859)

HRV: Kali on Ugljan, 17. VII. and Zadar, 30. VII. 1966 (Hoffer); Metković, ex *Aylax papaveris* [Ruschka, 1923]). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Parasite in galls of *Aylax papaveris* Perris in poppy heads. Central and southern Europe.

**Liodontomerus terebrator** (Masi, 1916)

HRV: Zadar and Ugljan, VII. 1966 (Hoffer); Biograd n/m, VII. 1965, 1968 (Bouček). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Reared once from flower-heads of *Trifolium* but the hosts not yet known for certain. Southern Europe to Czechoslovakia, Ukraine and Transcaucasia.

**Lochimerus balasi** (Szelényi, 1957)

SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Reared in Hungary from galls of the Cecidomyiid *Clinorrhyncha artemidis* Rübs. on *Artemisia*; found also in southern Slovakia, Bulgaria, Gruzinian SSR and Jordan (all new records).

**Megastigmus aculeatus** (Swederus, 1795)

HRV: Krapina (Hensch). — SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček). — BH: Sarajevo, ex *Rosa alpina*, 1895 (Inst. Forstent. Wien). — CRG: Durmitor Mts., nr. Žabljak, VI. 1958 (Bouček).

Phytophagous in seeds of various *Rosa* species. Palaearctic species, widely distributed.

**Megastigmus amicorum** Bouček, 1970

HRV: Ugljan, Zadar and Biograd n/m [Bouček, 1970a]. — BH: Neum [Bouček, 1970a]. — CRG: Sutomore [Bouček, 1970a].

Phytophagous in seeds of *Juniperus oxycedrus* L. Recorded only from Yugoslavia but found also in southern France and Sardinia (both n. rec.).

**Megastigmus bipunctatus** (Swederus, 1795) (= *kuntzei* Kapuscinski)

SRB: Srebrnac, Kopaonik Mts., 17. VIII. 1957 (Janković). — CRG: nr. Žabljak, 6. VII. 1958 (Bouček).

Phytophagous in seeds of *Juniperus communis* L. and probably of some other *Juniperus* spp. Whole Europe.

**Megastigmus dorsalis** (Fabricius, 1798)

HRV: Krapina (Hensch); Pula, Istra, ex *Andricus lucidus* Htg., *A. inflator* Htg. and *A. lignicola* Htg. [Fahringer, 1922]; Biograd n/m, VII. 1965 (Bouček) and 1966 (Hoffer). — BH: Kijevo nr. Sarajevo, 1911. — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Develops parasitically in galls of various Cynipidae on oaks, usually on gall-makers, less often on their Cynipid inquilines. Whole Europe.

**Megastigmus pictus** (Förster, 1841) (= *seitneri* Hoffmeyer)

HRV: Krapina, 30. V. 1920 (Hensch).

Phytophagous in seeds of *Larix*. Northern and central Europe.

**Megastigmus pistaciae** Walker, 1871

HRV: Mali Lošinj, IX. 1964 (Mikula); Ugljan, nr. Kali, 12. VII. 1965 (Bouček), VII. 1966 (Hoffer); (?) P. d'Arza, Dalm., VIII. 1906 (Horváth). — CRG: Kotor, VIII. 1906 (Horváth, Budap. Mus.); Budva, VII. 1958 (Bouček); Ulcinj, 7. VII. 1969 (Hoffer).

Phytophagous in seeds of *Pistacia* spp. Coastal Mediterranean areas, also Crimea, Transcaucasia and Turkmenia (USSR).

**Megastigmus spermotrophus** Wachtl, 1893

HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček).

Phytophagous in seeds of *Pseudotsuga taxifolia* Britt. (= *douglasii*) in Europe (introduced) and North America (native).

**Megastigmus stigmatizans** (Fabricius, 1798)

SLO: Ljubljana, ex oak galls [Schmidt, 1851; as *Torymus giganteus* and *T. puparum*]. — HRV: Istra [Mayr, 1874]; Zagreb, 17. IX. 1890 (Hensch); Split. — SRB: Banat [Mayr, 1874]. — BH: Sarajevo, ex galls on oak, 5. VI. 1900. — Parasitic in various Cynipid galls on oaks. Southern and central Europe.

**Megastigmus suspectus** Borries, 1895

CRG: Tara Canyon nr. Žabljak, 6. VII. 1958 (Bouček).

Phytophagous in seeds of *Abies alba* Mill. in European forests and of *A. nordmanniana* Stev. in the Caucasus.

**Megastigmus wachtli** Seitner, 1916

SLO: Piran. — HRV: Senj [Seitner, 1916; Escherich, 1942].

Phytophagous in seeds of *Cupressus sempervirens* L. Central and eastern Mediterranean.

**Monodontomerus aereus** Walker, 1834

HRV: »Croatia and Slavonia«, ex *Malacosoma neustria* [Kovačević, 1926]; Varaždin (Košćec); Krapina and Zagreb (Hensch); Belje, VI. 1966 (Vasić); Biograd n/m (Bouček). — SRB: [Vukasović, 1931e], also as hyperparasite of *Lymantria dispar* [Vasić, 1958; Vasić & Sisojević, 1958]; Palić, ex *Hyphantria cunea* [Bogavac, 1953]; Buljes nr. Bački Petrovac, ex *H. cunea* [Bogavac, 1958]; Vrgnac, ex *Yponomeuta malinella* [Vukasović, 1932a, 1932b, 1933a]; Ada Huja nr. Beograd and Mladenovac, ex *L. dispar* [Sisojević, 1953]; Maljen, ex *Diprion pini* [Vasić & Sisojević, 1955; Vasić & Petrović, 1957]; Topola nr. Beograd, ex *Tortrix viridana*, V. 1966 (Vasić). — BH: Bileća, ex *L. dispar* [Georgijević & Luteršek, 1966]. — MAK: Strumica, ex *L. dispar* [CILB, 1961].

Primary or secondary parasite in pupae of many Lepidoptera and in cocoons of some Diprionid sawflies. Holarctic in distribution.

**Monodontomerus dentipes** (Dalman, 1820)

BH: Mostar district, ex *Yponomeuta malinella* and *Y. padella* [Vaclav, 1958] (probably misidentification).

Known as parasite in cocoons of Diprionids. Probably whole Europe (but older records need confirmation).

**Monodontomerus minor** (Ratzeburg, 1848)

HRV: Krapina (Hensch); Zagreb, ex *Pygaera anastomosis* L., 1959; Biograd n/m, VII. 1965 and 1966 (Bouček, Hoffer). — SRB: Beograd district, ex *Rhyacionia buoliana* D. Sch. [Vasić, 1967].

Parasite in pupae of various Lepidoptera and in cocoons of some sawflies, e. g. Cimbicidae. Whole Palaearctic region, now also in North America (?introduced).

**Monodontomerus obscurus** Westwood, 1833

HRV: Varaždin (Košćec); Krapina (Hensch); Trnovec nr. Krapina (Igalfy); Kantrida nr. Rijeka (Goidanich); Spačva nr. Vinkovci, VI. 1965 (Bouček). — MAK: Kumanovo-Kriva Palanka, 28. VI. 1938 (Zwick-Röhl).

Mainly a parasite of solitary bees and solitary wasps, rarely recorded also from some other hosts (Syrphid puparia, Mantid oothecae, etc.). Palaearctic region, also India and North America.

**Monodontomerus obsoletus** (Fabricius, 1798)

HRV: Varaždin (Košćec); Krapina (Hensch); Ugljan, VII. 1966 (Hoffer). Parasite of some solitary bees and wasps, also recorded from nests of *Polistes* (Vespidae). Southern and central Europe.

**Monodontomerus strobili** Mayr, 1874

SRB: Maljen, as hyperparasite of *Diprion pini* L. [Vasić & Sisojević, 1955; Vasić & Petrović, 1957]; Partizani and Stragari, hyperparasite of *Rhyacionia buoliana*, VI. 1972 (Vasić).

Apparently a hyperparasite in pupae or cocoons on some coniferous trees, mainly pines. Austria, Yugoslavia, Hungary, also recorded from France and Italy (these records need confirmation).

**Monodontomerus vicicellae** (Walker, 1847)

HRV: Rovinj, Istra, ex *Zygaena* sp., 8. VI. 1917 (Krumbach); Zadar and Ugljan, VII. 1966 (Hoffer). — SRB: Kršanje, hyperparasite of *Diprion pini* L., (Vasić); Partizani, hyperp. of *Rhyacionia buoliana*, 20. VI. 1972 (Vasić). — MAK: Ohrid, 18. VI. 1966 and Motel Mavrovo, 22. VI. 1966 (Königsmann).

Primary or secondary parasite in pupae of various Lepidoptera (e. g. *Zygaena* spp.), more rarely in cocoons of Cimbicidae. Widely distributed in Europe.

**Palachia pulchra** Bouček, 1970

HRV: Srereno nr. Dubrovnik [Bouček, 1970a].

Host still unknown. Recorded so far only from Yugoslavia; several undescribed species found in Africa.

**Podagrion pachymerum** (Walker, 1833) (= *bellator* auct.)

HRV: Krapina, ex Mantid ootheca, 1. VI. (Hensch); Zadar and Ugljan, VII. 1966 (Hoffer); Biograd n/m, 27. VI. 1966 (Hoffer) and 17. VII. 1968 (Bouček).

Parasite in Mantid oothecae. Widely distributed in eastern part of southern Europe, up to Czechoslovakia; several times recorded as *P. bellator*.

**Podagrion splendens** Spinola, 1811

HRV: Zadar, 24. VII. 1966 (Hoffer); Ugljan and Biograd n/m, VII. 1966, 1967 and 1968 (Bouček, Hoffer); Korčula. — BH: Neum, 8. VII. 1968 (Bouček).

Parasite in oothecae of Mantids, e. g. of *Mantis religiosa* L. In southern Europe up to Czechoslovakia with the preceding species, but more in the western part, although found also in Transcaucasia.

**Pseudotorymus apionis** (Mayr, 1874)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Parasite of *Apion* spp. (Curculionidae) in flowerheads of *Trifolium* spp. Widely distributed in Europe.

**Pseudotorymus papaveris** (Thomson, 1876)

SRB: Beograd [Mayr, 1874; as *Holaspis militaris*].

Parasite recorded from at least two species of Cecidomyiidae developing in heads of *Papaver*. Probably whole Europe.

**Pseudotorymus sapphirinus** (Fonscolombe, 1832)

HRV: Biograd n/m and Dugi Otok, Sali, VII. 1968 (Bouček). — SRB: Rošjana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Parasite in galls of *Thomasiella eryngii* Vall. (Cecidomyiidae) on *Eryngium campestre*. Southern Europe up to Czechoslovakia and eastwards to Azerbaijan.

**Thaumatorymus notanisoides** Ferrière & Novicky, 1954

HRV: Zadar, 24. VII. 1966 (Hoffer); Ombla nr. Dubrovnik, ex *Phan. hypochoeridis* [Ferrière & Novicky, 1954].

Reared from galls of the Cynipid *Phanacis hypochoeridis* Kieff. on *Hypochoeris*. Probably circummediterranean, but recorded only from Algeria, Yugoslavia, Bulgaria and Azerbaijan; found also in Spain (n. rec.).

**Torymus affinis** (Fonscolombe, 1832) (= *Syntomaspis apicalis* Walker)

HRV: Krapina (Hensch); Biograd n/m, ex oak galls, 1965 (Bouček).

Parasite in galls of the Cynipid *Biorhiza pallida* Oliv. on oak twigs. Whole Europe.

**Torymus anastativorus** Fahringer, 1944

HRV: Rešetina forest nr. Belišće [Kurir, 1944].

A dubious species recorded as reared from eggs of *Lymantria dispar* L. (but probably from a Cynipid gall on bark of oak, under the egg-mass). Yugoslavia.

**Torymus arcticus** (Thomson, 1876)

CRG: Podgora nr. Žabljak, 26. VI. 1958 (Bouček).

Host still unknown. Probably widely distributed in Europe.

**Torymus arundinis** (Walker, 1833)

HRV: Plitvice Lakes, 29. VI. 1965 (Bouček).

Parasite in galls of the Cecidomyiid *Graudiella inclusa* Frfld. on *Phragmites communis*. Widely distributed in reedbeds of Europe.

**Torymus auratus** (Geoffroy, 1785)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).

Common parasite in galls of many Cynipid species, mainly of the genera *Neuroterus*, *Andricus*, *Biorhiza*, on deciduous oaks. Whole Europe.

**Torymus azureus** Boheman, 1834

HRV: Krapina, V. 1920 (Hensch); Kutjevo, Krndija Mts., ex *Picea* cones, 1965 (Harapin). — SRB: Dubočica nr. Sjenica, 25. VII. 1968 (Marović).

Parasite of Cecidomyiids in cones of *Picea*. Widely distributed in spruce forests of Europe.

**Torymus bedeguaris** (Linnaeus, 1758)

HRV: Varaždin (Košćec); Krapina and Zagreb (Hensch); Pula, Istra, ex *Dipl. rosae* [Fahringer, 1922]. — SRB: Beograd district, ex *D. rosae* [Vukasović, 1928a, 1928d], 1966 (Vasić).

Parasite in galls of the Cynipids *Diplolepis* (= *Rhodites*) *rosae* L. and *D. mayri* Schlecht. on *Rosa* spp. Holarctic in distribution.

**Torymus brachyurus** Boheman, 1834

HRV: Biograd n/m, 12. VII. 1968 (Bouček).

Host unknown. Recorded from Sweden and Italy; apparently widely distributed but rare.

**Torymus caudatus** Boheman, 1834

HRV: Krapina, VI. 1920 (Hensch); Kutjevo, Krndija Mts., *Picea* cones, 1965 (Harapin).

Parasite of Cecidomyiids in cones of *Picea*. Spruce forests of Europe.

**Torymus cultriventris** Ratzeburg, 1844

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 and Zagreb-Gračani, 20. VI. 1965 (Bouček). — CRG: Crno jezero, Durmitor Mts., 25. VI. 1958 (Bouček).

Parasite in galls of the Cecidomyiid *Mikiola fagi* Htg. on leaves of *Fagus sylvatica*. Whole continental Europe, except extreme north.

**Torymus cyaneus** Walker, 1847

HRV: Pula, Istra, ex *Synergus vulgaris* Htg. and *S. gallaeponiformis* Fonsc. [Fahringer, 1922, as *Syntomaspis saphirina*]; Krapina (Hensch); Biograd n/m, 11. VII. 1965 (Bouček).

Parasite in oak galls of the agamic generation of some *Cynips* spp., including *C. divisa* Htg., *C. quercusfolii* L. and *C. longiventris* Htg. Widely distributed in Europe.

**Torymus erucarum** (Schrank, 1781)

HRV: Krapina (Hensch). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček); Rudnik nr. Mitrovica, 1917 (Csiki). — MAK: Prespa-Otešovo, VI. 1955 (Coe).

Parasite in galls of *Andricus quercusradicis* F. (Cynipidae) on oaks. Widely distributed in Europe.

**Torymus fastuosus** Boheman, 1834

HRV: Krapina, 12. V. 1910 (Hensch).

Parasite in galls of *Trigonaspis megaptera* Panz. (Cynipidae) on oaks. Mainly central and southern Europe but local.

**Torymus formosus** (Walker, 1833) (= *amoenus* Boheman)

SLO: Postojna, 21. VII. 1958 (Coe).

Parasite in Cynipid galls on bark and roots of *Quercus*. Probably whole Europe but mainly in the west.

**Torymus fulgens** (Fabricius) (sensu auctorum)

HRV: Krapina, 28. VIII. 1910 (Hensch); Zagreb-Gračani, 20. VI. 1965 (Bouček).

Parasite in galls of *Mikiola fagi* Htg. (Cecidomyiidae) on *Fagus*. Widely distributed in forests of Europe.

**Torymus fusipes** Boheman, 1834

BH: Sarajevo, ex *Rhabdophaga saliciperda* Duf. [Ruschka, 1921b].

Parasite in galls of the mentioned Cecidomyiid on *Salix* spp. Apparently widely distributed in Europe.

**Torymus geranii** (Walker, 1833) (= *cingulatus* auct., nec Nees)

HRV: Krapina (Hensch). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite in galls of various Cynipidae on oaks. Probably whole Europe.

**Torymus heyeri** Wachtl, 1883

HRV: Vinica nr. Varaždin, 19. VI. 1965, Zalesina in Gorski Kotar, 25. VI. 1965, Zagreb-Gračani, 16. VI. 1965 and Plitvice Lakes, 29. VI. 1965 (all Bouček). — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček). — CRG: Crno jezero, Durmitor Mts., 25. VI. 1958 (Bouček).

Parasite of *Dasyneura abietiperda* Hensch (Cecidomyiidae) on twigs of *Picea excelsa*. In spruce forests of Europe.

**Torymus laetus** (Walker, 1833)

HRV: Krapina, 2. IX. 1906 (Hensch); Plitvice Lakes, 29. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Recorded from leaf galls of *Diplolepis eglanteriae* Htg. on *Rosa*, but it needs confirmation in view of taxonomic difficulties. Probably widely distributed in Europe.

**Torymus macropterus** (Walker, 1834)

SRB: Beograd district, ex galls of *Diplolepis rosae* L. [Vukasović, 1928a, 1928d; dubious records]; Beograd-Košutnjak and Bukulja, VII. 1968 (Bouček); Dobra Voda, Goč, 30. VI. 1968 (Bouček); Valjevo and Čačak, ex *Lasioptera rubi* [Simova-Tosić and Dobrivojević, 1966; OILB, 1971].

Recorded as parasite in various galls of Cynipidae and Cecidomyiidae but the records need confirmation. Widely distributed in Europe.

**Torymus nobilis** Boheman, 1834

HRV: Varaždin (Koščec); Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).

Parasite in Cynipid galls on oaks, recorded mainly from *Biorhiza pallida* Oliv. and *Andricus quercusradicis* F., but the records need confirmation in view of recognition of *Torymus roboris* (Walker) as a different species. Probably whole Europe.

**Torymus quercinus** Boheman, 1834

CRG: Podgora near Žabljak, Tara Canyon, 30. VI. 1958 (Bouček).

Parasite in galls of *Harmandia petioli* Kieffer (Dipt., Cecidomyiidae) on *Populus tremula*. Widely distribution in Europe but little known.

**Torymus regalis** (Walker, 1833)

HRV: Plitvice Lakes, 29. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč Mts., 1. VII. 1968 (Bouček). — CRG: Sutomore, 6. VII. 1968 (Bouček); Podgora nr. Žabljak, 26. VI. 1958 (Bouček).

**Torymus seminum** (Hoffmeyer, 1929)

MAK: Ohrid, 6. VII. 1965 (Königsmann).

Described as reared from South European (probably Italian) seed of *Acer campestre* L. Not recorded since.

**Torymus socius** Mayr, 1874

SLO: Radovljica, ex *Kiefferia pimpinellae* galls on *Pastinaca*, VIII. 1972 (H. J. Vlug).

Parasite in galls caused by Cecidomyiidae in inflorescences of Daucaceae (Umbelliferae). Probably most of Europe but little known.

**Torymus speciosus** Boheman, 1834

HRV: Krapina, 16. X. 1912 (Hensch).

Parasite in galls of *Mikiola fagi* Hartig (Dipt., Cecidomyiidae) on leaves of *Fagus*. From Sweden to Yugoslavia.

Host not known. Widely distributed in Europe.

**Torymus urticae** (Perris, 1840)

SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite in galls of *Dysneura urticae* Perr. on *Urtica dioica*. Widely distributed in Europe.

**Torymus varians** (Walker, 1833)

HRV: Krapina, VII. and VIII. 1914 (Hensch); Trnovec nr. Krapina (Igalffy, Budap. Mus.).

Phytophag in seeds of *Crataegus* spp., often confused with *Synt. druparum* (Boheman) from seeds of *Sorbus* and apple trees. Therefore some records need confirmation. Whole Europe, perhaps also North America.

**Torymus ventralis** (Fonscolombe, 1832)

HRV: Krapina and Zagreb (Hensch). — SRB: Dubočica nr. Sjenica, 1. IX. 1969 (Marović). — CRG: Sutorina, 16. VI. 1911 (Spaney-Schumacher).

Reared from galls of *Proshormomyia fischeri* Frfld. (Cecidomyiidae) on *Carex*. Whole Europe.

ORMYRIDAE

**Ormyrus diffinis** (Fonscolombe, 1832)

HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček); Titograd, 24. VI. 1958 (Bouček). — SRB: Grebenac, VI. 1968 (Bouček); Priština, ex seeds *Salvia aethiops*, VIII. 1971 (M. Bogavac). — MAK: Ohrid, 17. VI. 1966 (Königsmann).

In seeds of *Salvia* spp., probably developing as a parasite of a phytophagous Eurytomid; also reared from galls of the Cynipid *Xestophanes potentillae* Ratz. on *Potentilla* spp. Europe except north, also Transcaucasia.

**Ormyrus gratiosus** (Fürster, 1860)

SRB: Rošljana, Deliblat. Peščara, 28. VI. 1968 (Bouček). — MAK: Ohrid, 5. VII. 1965 (Königsmann).

Parasitic in galls of *Aylax* spp. (Cynipidae) on *Centaurea* and other plants. Widely distributed in Europe, probably except in north.

**Ormyrus nitidulus** (Fabricius, 1804) (= *tubulosus* Westwood)

SLO: Ljubljana, ex *Andricus kollari* [Schmidt, 1851; as *Siphonura schmid-*

*tii*]; Bled, ex *Andricus foecundatrix* Htg. [Mayr, 1904]. — HRV: Istra, ex *Andricus kollaris* Htg. [Mayr, 1904]; Istra [Walker, 1847]; Istra: Pula, ex Cynipid galls on oaks [Fahringer, 1922]; Varaždin (Košćec); Krapina (Hensch); Split (Novak). — BH: Stolac; Prenj, 1910; Treska. — SRB: Beograd-Košutnjak, 2. VII. 1968 and Dobra Voda, Goč, 30. VI. 1968 (Bouček). — MAK: Ohrid, 6. VII. 1965 (Königsmann).

Parasite in many Cynipid galls on oaks, mainly in those of larger size and much less common than *Ormyrus punctiger* Westw. Southern and central Europe, North Africa.

**Ormyrus orientalis** Walker, 1871 (= *hungaricus* Erdös)

HRV: Krapina (Hensch); Novi (Horváth, Budap. Mus.); Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Ruma (Hensch); Rošljana, Deliblat. Peščara, 28. VI. 1968 (Bouček); Raška, V. 1969 (Marović). — CRG: Ulcinj, VI. 1969 (Hoffer). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Parasitic in galls of Trypetidae (Diptera) on Compositae. Originally described from Ceylon, now known to be widely distributed, including the Mediterranean countries and central Europe.

**Ormyrus papaveris** (Perris, 1840)

HRV: Metković (Turin Inst. Ent.). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Parasite of *Aylax rhoeadis* Bouché (Cynipidae) on *Papaver*. Mainly southern, less central Europe.

**Ormyrus punctiger** Westwood, 1832

HRV: Spačva nr. Vinkovci, VI. 1965 (Bouček); Isl. Ugljan, Kali, VII. 1965 and Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček). — CRG: Ulcinj, VI. 1969 (Hoffer).

Common parasite in various Cynipid galls on oaks, all over Europe.

**Ormyrus wachtli** Mayr, 1904

HRV: Rijeka and »Dalmatia«, seeds of *Salvia officinalis* [Mayr, 1904]; Novi, 19. VI. 1899 (Kertész); Senj, VII. 1911 (Nagy); Beograd n/m, VII. 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček).

Reared from fruits of *Salvia officinalis* containing the Cynipid *Aylax salviae* Giraud and from galls of *Phanacis centaureae* Först. (also Cynipidae) on *Centaurea*. Southern and central Europe.

## PTEROMALIDAE

**Ablaxia anaxenor** (Walker, 1845)

HRV: Krapina, 2. X. 1914 (Hensch).

Host unknown. So far recorded only from Britain.

**Aggelma spiracularis** (Thomson, 1878)

HRV: Krapina, 17. IV. 1917 (Hensch); Mali Lošinj, ex *Magdalisa rufa* Germ. and *M. memnonia* Gyll., IV. 1962 (Spaić).

These are the first host records for the species recorded before only from Britain and Sweden.

**Aggelma violacea** (Zetterstedt, 1838) (= *pilosella* Thomson)

HRV: Krapina (Hensch).

Parasite of *Magdalisa violacea* L. (Curculionidae). Norway, Sweden, Germany and Czechoslovakia.

**Amarisca oulmesiensis** Delucchi, 1962

HRV: Mali Lošinj, IX. 1964 (Mikula); Biograd n/m, 6. VII. 1965 (Bouček). — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Host not yet known but probably a beetle in twigs of trees. So far recorded only from Morocco.

**Ammeia pulchella** Delucchi, 1962

SRB: Kopaonik Mts., 1957 (Janković).

Host unknown (probably Diptera). Recorded from Morocco and Czechoslovakia.

**Anisopteromalus calandrae** (Howard, 1881)

SRB: Fruška Gora [Freeman, 1959; as *Aplastomorpha c.*].

Cosmopolitan parasite of various Lepidoptera and (perhaps mainly) Coleoptera in stored products.

**Anogmoides fumipennis** Askew, 1970

CRG: Durmitor Mts., near Žabljak [Askew, 1970]. — MAK: Popova Šapka [Askew, 1970].

Parasite in galls of Cecidomyiidae on *Juniperus communis* L. Britain, Sweden, Yugoslavia.

**Anogmus vala** (Walker, 1839)

HRV: Kutjevo, Krndija Mts., ex *Picea* cones with *Laspeyresia strobilella* L., 1965 (Harapin).

Develops in cones of *Picea*, probably as parasite of the Cecidomyiid *Kaltenbachiola strobi* Winn. In spruce forests of Europe.

**Apelioma pteromalimum** (Thomson, 1878)

HRV: Krapina, 15. V. 1924 (Hensch). Host not yet known, but most probably a beetle in twigs of trees. Species recorded so far from Sweden, Britain and Czechoslovakia.

**Apsilocera bramleyi** Graham, 1966

SRB: Dobra Voda, Goč Mts., 1. VI. 1968 (Bouček). Parasite in galls of *Mycocecis ovalis* Edw. (Cecidomyiidae) on fungi on wood of *Betula* and *Corylus*. Previously known only from Britain.

**Arthrolytus discoideus** (Nees, 1834)

SLO: Postojna, VII. 1958 (Coe).

Host not yet known; probably some insects in herbaceous plants. Widely distributed in Europe.

**Arthrolytus ocellus** (Walker, 1834)

HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček).

Host not known but the species seems to be associated with oaks. Britain, Sweden, Germany, Czechoslovakia, Moldavian SSR, Yugoslavia.

**Asaphes suspensus** (Nees, 1834)

HRV: Krapina (Hensch); Vinica nr. Varaždin and Spačva nr. Vinkovci, VI. 1965 (Bouček). — SRB: Dobra Voda, Goč Mts., 30. VI 1968 (Bouček).

Common hyperparasite of aphids, via Aphidiinae, mainly on grassy vegetation. Whole Europe, also Japan (probably cosmopolitan).

**Asaphes vulgaris** Walker, 1834

SLO: Postojna, VII. 1955 (Coe). — HRV: Krapina (Hensch); Zalesina, Gorski Kotar, VI. 1965 (Bouček). — SRB: Beograd district, ex aphids via several spp. of Aphidiinae [Vukasović, 1925a, 1925b, 1928d, 1931d]; Beograd-Košutnjak, 2. VII. 1968 (Bouček); Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček). — MAK: Saraj nr. Skopje, 11. VI. 1966 and Ohrid, 17. VI. 1966 (Königsman).

Common hyperparasite of aphids via Aphidiinae. Probably cosmopolitan in distribution.

**Bugacia classeyi** Bouček, 1965

SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).

Host still unknown. Recorded only from Britain.

**Bugacia submontana** Bouček, 1955

CRG: Tara Canyon at Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Host unknown. Species recorded from Britain and Czechoslovakia.

**Caenacis inflexa** (Ratzeburg, 1848)

HRV: Krapina, 10. VII. 1916 (Hensch). — SRB: Beograd, IX. 1926 (Vukasović).

Parasite of *Periclistus* spp., Cynipid inquilines in rose galls of *Diplolepis rosae* L. and *D. mayri* Schlecht. Whole Europe.

**Caenacis lauta** (Walker, 1835)

HRV: Pula, Istra, ex *Andricus kollaris*, *A. lignicola* and *A. lucidus* on *Quercus lanuginosa* [Fahringer, 1921; as *Caen. incrassata*]. — SRB: Ruma (Hensch); Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček).

Parasitic in various Cynipid galls on oaks. Whole Europe.

**Caenocrepis arenicola** (Thomson, 1978)

HRV: Isl. Rab, 1901 (Horváth, Budap. Mus.); Biograd n/m, 6. VII. 1965 (Bouček). — SRB: Raška, V. 1969 (Marović). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Host unknown; the species probably is an egg-parasite of some Cleonine Curculionidae in light soils. Recorded from Sweden, France, Czechoslovakia, Austria, Hungary, Moldavian SSR and Transcaucasia.

**Callitula bicolor** Spinola, 1811

HRV: Krapina (Hensch); Zagreb-Gračani, 18. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček); Vrh-Polje, 1971 (Lekić). — MAK: Dojran Lake, 24. VI. 1965 (Königsman).

Primary or secondary parasite in various small Diptera in stems of Gramineae. Holarctic.

**Callitula pyrrhogaster** (Walker, 1833)

HRV: Krapina (Hensch); Varaždin (Koščec).

Parasite of some small Diptera in grass stems, including e. g. *Oscinella frit* L. and *Mayetiola poae* Bosc. Whole Europe.

**Capellia cecidomyiae** (Ratzeburg, 1844)

HRV: Krapina (Hensch). — CRG: Podgora nr. Žabljak [Bouček, 1965].

Parasite of *Cecidomyia pini* DeG. on *Pinus* needles. Whole Europe.

**Capellia orneus** (Walker, 1839)

HRV: Biograd n/m, 10. VII. 1965 (Bouček).

Host definitely associated with *Pinus* shoots, probably Lepidoptera developing in resin galls, like *Exoteleia dodecella* L. Recorded from Britain, France, Poland and Czechoslovakia.

**Catolaccus ater** (Ratzeburg, 1852)

HRV: Biograd n/m, 17. VII. 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček).

Hyperparasite of various hosts via Braconidae (primary parasite in their cocoons), especially of *Apanteles* spp. Mainly northern and central Europe.

**Catolaccus crassiceps** (Masi, 1911)

HRV: Biograd n/m [Bouček, 1970b]; Isl. Korčula, V. 1955 (Coe). — MAK: Ohrid, 19. VI. 1958 (Coe).

Rearred from an Ichneumonid cocoon, probably similar in biology to the preceding species. Widely distributed in the Mediterranean countries, up to Slovakia in central Europe.

**Cecidostiba hilaris** (Walker, 1836) (= *leucosepa* Ratzebrug)

HRV: Pula, Istra, ex three *Synergus* spp. in oak galls [Fahringer, 1922; as *C. leucosepa*]. — SRB: Beograd-Košutnjak, 1967 (Vasić).

Seems to be a specific parasite in galls of *Biorhiza pallida* Ol. on deciduous oaks, probably on several gall inhabitants. Whole Europe.

**Cecidostiba semifascia** (Walker, 1835)

HRV: Biograd n/m, 11. VII. 1965 (Bouček).

Develops parasitically in galls of *Biorhiza pallida* Ol. Nearly whole Europe, on deciduous oaks.

**Cerocephala cornigera** Westwood, 1832

MAK: Bjelasica Mts., VI. 1929 (Pfeffer).

Associated probably solely with Scolytidae. Widely distributed in Europe but nearly all records need confirmation (including those under *C. rufa*).

**Cerocephala rufa** (Walker, 1833)

HRV: Krapina [Erdös, 1964b]; Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).  
— SRB: Ruma [Erdös, 1964b].  
Parasite of Anobiid beetles in old wood. Probably whole Europe.

**Cheiropachus quadrum** (Fabricius, 1787) (= colon Auct.)

SLO: Postojna, 24. VII. 1958 (Coe). — HRV: Krapina (Hensch); Brioni Isl., ex *Scolytus pygmaeus* F. [Ruschka, 1916; as *Ch. colon*]; Dalmatia, ex *Hylesinus oleiperda* F. [Tominić, 1967]; Šibenik, ex Scolytids on olives [Ruschka & Fulmek, 1915]; Split, ex *Hyl. oleiperda* [CILB, 1961]. — BH: Sarajevo, ex *Scol. rugulosus*, IV. 1914. — SRB: Ruma (Hensch). — MAK: Motel Mavrovo, 22. VI. 1966 (Königsmann).

Parasite of xylophagous beetles, mostly of Scolytidae, less of small Cerambycidae (*Tetrops*) or some Curculionidae (*Magdalalis*), in twigs of (mainly) deciduous trees. Europe to Central Asia, North America, also Argentina (introduced).

**Chlorocytus diversus** (Walker, 1836)

HRV: Biograd n/m, 17. VII. 1968 (Bouček). — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Parasite in stem galls of *Phanacis centaureae* Först. (Cynipidae) on *Centaurea* spp. and in similar conditions in some other plants. Probably whole Europe; so far recorded from several countries only.

**Chlorocytus longiscapus** Graham, 1965

SLO: Postojna, 16. VII. 1958 (Coe). — SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Parasite of insects in grass stems but the actual host still unknown. British Isles, Sweden, Austria.

**Chlorocytus spenceri** Graham, 1965

HRV: Biograd n/m, 14. VII. 1968 (Bouček).

Previously recorded only from Spain, as a parasite of *Melanagromyza foeniculi* Spencer (Agromyzidae) in stems of *Foeniculum*.

**Chlorocytus spicatus** (Walker, 1835)

SLO: Postojna, VII. 1958 (Coe). — SRB: Morović, 3. VII. 1958 (Coe).

Parasite of *Melanagromyza* spp. (Dipt., Agromyzidae) burrowing in stems of plants like *Angelica*, *Arctium*, *Cirsium*. Widely distributed mainly in central and northern Europe.

**Cleonymus brevis** Bouček, 1972

HRV: Krapina [Bouček, 1972b].

Parasite of xylophagous beetles, e. g. reared from *Hylesinus oleiperda* F. (Scolytidae). France, Italy, Yugoslavia and Czechoslovakia.

**Cleonymus laticornis** Walker, 1837

JUGOSL: [Bouček, 1972b]. — HRV: Krapina (Hensch).

Parasite of xylophagous beetles on old trees. Widely distributed in Europe.

**Coelopisthia extenta** (Walker, 1834)

SLO: Postojna, 21. VII. 1958 (Coe). — HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Ruma (Hensch); Morović, 7. VII. 1958 (Coe); Dubočica, Orjen Mts., 25. VII. 1968 (Marović). — CRG: Žabljak district, VI. 1958 (Bouček).

Recorded as parasite of pupae of some Tortricidae but confirmation is needed. Widely distributed in Europe, also Transcaucasia.

**Coelopisthia pachycera** Masi, 1924

HRV: Isl. Rab, 1901 (Horváth, Budap. Mus.).  
Host unknown. From Britain to Transcaucasia.

**Colotrechnus subcoeruleus** Thomson, 1878

HRV: Sali, Dugi Otok, 18. VII. 1968 and Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček). — BH: Jablanica, 25. V. 1916 (Apfelbeck, Budap. Mus.). — CRG: Budva, 9. VII. 1958 (Bouček); Ulcinj, 19. VI. 1969 (Hoffer). — MAK: Makedonski Brod, Nerezi nr. Skopje and Mavrovo, VI. 1966 (Königsmann); Ohrid, 5. VII. 1965 and 17. VI. 1966 (Königsmann).

Host still unknown (probably beetles). Widely distributed in Europe to Transcaucasia.

**Colotrechnus viridis** (Masi, 1921)

HRV: Biograd n/m, 12. VII. 1968 (Bouček).  
Host unknown. Circummediterranean countries up to Czechoslovakia.

**Conomorium patulum** (Walker, 1835)

HRV: Krapina (Hensch); Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček); Rijeka (Depoli); Istra, ex *Thaumatopoea pityocampa* Schiff. (Androic); Mali Lošinj, IX. 1964 (Mikula); Isl. Cres, ex *T. pityocampa* [Androic, 1957]; Isl. Ugljan, VII. 1965 (Bouček); Spačva nr. Vinkovci, VI. 1965 (Bouček). — SRB: Palić, ex *Hyphantria cunea* Dru. [Bogavac, 1953]; Ruma (Hensch). — MAK: Prespa-Oteševno, VI. 1955 (Coe).

Parasite in pupae of various Lepidoptera. Widely distributed mainly in central and southern Europe, to Transcaucasia.

**Coruna clavata** Walker, 1833

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček); Zalesina, Gorski Kotar, VI. 1965 (Bouček); Spačva nr. Vinkovci, VI. 1965 (Bouček). — SRB: ?Beograd district [Ferrière & Vukasović, 1928]; Beograd distr., ex *Ephedrus lacertosus* Hal. [Vukasović, 1928d]; Beograd-Košutnjak, 2. VII. 1968 (Bouček); Bukulja, 27. VI. 1968 and Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Develops as hyperparasite of many Aphids, via their primary parasites (mainly Aphidiinae). From Ireland to Japan.

**Cyclogastrella clypealis** Bouček, 1965

SRB: Ruma (Hensch); Bukulja, Šumadija, 27. VI. 1968 (Bouček).

Host not known. Widely distributed in central and southern Europe, from Britain to Azerbaijan.

**Cyclogastrella deplanata** (Nees, 1834)

SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček). — CRG: Crno jezero and Borova Glava nr. Žabljak, 25. VI. and 4. VII. 1958 (Bouček, Dlabora).

Parasite of various Tortricidae (including Tortrix viridana L.) and other Lepidoptera. Whole Europe, North Africa, also California (?introduced).

**Cyrtogaster vulgaris** (Walker, 1833)

HRV: Krapina (Hensch). — SRB: Vrh-Polje, Deliblat. Peščara, 1971 (Lećić). — CRG: Durmitor Mts., VI. 1958 (Bouček).

Parasite of various dipterous leaf-miners (Agromyzidae), mainly on herbaceous plants. Whole Europe to Azerbaijan, also North America (introduced).

**Cyrtopyx latipes** (Rondani, 1877) (= dacicida Masi)

HRV: Biograd n/m, 12. VII. 1968 (Bouček).

Parasite of Dacus oleae Gmel. (Tryptidae) as well as of some Curculionidae (e. g. of the genus Pachytychius). Widely distributed in circummediterranean countries.

**Cyrtopyx robustus** (Masi, 1907)

HRV: Zadar, ex Andricus coriarius (Turin Inst. Ent.).

Parasite in Cynipid galls on deciduous oaks in Mediterranean countries.

**Dibrachoides dynastes** (Förster, 1841)

HRV: Krapina (Hensch); Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd, 23. V. 1962 (Tanasijević). — MAK: Ohrid-Sv. Kliment, 13. VI. 1966 (Königsmann); Prespa-Oteševvo, VI. 1955 (Coe).

Parasite of some Curculionidae including the lucerne pest Hypera postica Gyll. Europe and North Africa, also USA (introduced).

**Dibrachys affinis** Masi, 1907

CRG: Titograd, ex Grapholita molesta Busck, 1970 (Velimirović).

Reared mainly from various Lepidoptera and from some of their Braconid and Ichneumonid parasites. Central and southern Europe and North Africa.

**Dibrachys braconidis** (Ferrière & Faure, 1925)

HRV: Rovinj, Istra, ex Bruandia reticulatella Stnt., 10. VI. 1966 (Daniel); Novi (Horváth, Budap. Mus.).

Parasite in bags or cocoons of some Lepidoptera, e. g. Tineidae, also in cocoons of Braconids, e. g. Apanteles glomeratus L. Mainly southern Europe.

**Dibrachys cavus** (Walker, 1835) (incl. D. boarmiae Walker)

SRB: Bulkjes nr. Bački Petrovac and Palić nr. Subotica, ex Hyphantria cunea [Bogavac, 1953]; no locality [Vasić, 1958; Vasić & Sisojević, 1958]; Ruma, ex Stilpnotia salicis, 24. VI. 1968 (Vasić); Beograd district, ex Hormius moniliatus [Vukasović, 1928d; as D. boucheanus]; Novi Beograd, ex Apanteles sp., 1967 (Vasić); Ada Huja and Mladenovac, ex Lymantria dispar [Sisojević, 1953]; Zaječar, ex L. dispar, VI. 1972 (Vasić). — BH: Ljubinje, ex Neodiprion sertifer, VIII. 1957 (Vasić).

Common primary or (often) secondary parasite in pupae or cocoons of many Lepidoptera, some Diptera and Hymenoptera (Braconidae, Ichneumoni-

dae etc.). Holarctic in distribution, probably also in some other parts of the world. D. boarmiae (Walker) is regarded as a different species by Graham, 1969.

**Dibrachys hians** Bouček, 1965

CGR: Pistula, 15. VII. 1969 (Hoffer).

Reared in Italy from an old Polistes nest but the actual host is not yet known. Also found in Czechoslovakia and Moldavian SSR.

**Diglochis sylvicola** (Walker, 1835)

BH: Kobilja Glava, III. 1917 (Apfelbeck, Budap. Mus.).

Parasite in puparia of Tabanidae. Widely distributed in European forests.

**Dimachus discolor** (Walker, 1836)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Host not known for certain (?Anobiidae). In forest habitats from Britain and Sweden to Yugoslavia.

**Dinarmoides spilopterus** Masi, 1924

HRV: Ugljan, 17. VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček). — SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Host unknown (?Curculionidae). In dry habitats of southern Europe, north up to southern Sweden.

**Dinarmus acutus** (Thomson, 1978)

HRV: Krapina (Hensch); Biograd n/m, VII. 1968 (Bouček); Ugljan, VII. 1966 (Hoffer). — CRG: Ulcinj, VI. 1969 (Hoffer). — MAK: Ohrid, VI. 1955 (Coe).

Common parasite of various Bruchidae in pods of Leguminosae. Whole Europe, also parts of Africa and Asia, North America.

**Dinotiscus aponius** (Walker, 1848) (= bidentulus Thomson)

SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Parasite of some Scolytidae, mainly of the genera Scolytus and Hylesinus. Whole Europe.

**Dinotiscus eupterus** (Walker, 1836) (= capitatus Förster)

BH: Zviježda, ex Cryphalus piceae. — CRG: Žabljak district, VI. 1958 (Bouček).

Parasite of various smaller Scolytidae, mainly in twigs of Picea. Probably whole Europe, mostly common.

**Dinotiscus wichmanni** Bouček, 1967

SLO: Ljubljana, ex Hylastinus fankhauseri Reitt., 1973 (Titovšek).

Special parasite of Scolytidae on Cytisus laburnum (g. Hylastinus). Austria, Italy, Yugoslavia.

**Dinotoides tenebricus** (Walker, 1834) (= bicalcaratus Bouček)

HRV: Krapina, 17. V. 1924 (Hensch).

Parasite of small beetles (probably Magdalisa, Scolytus or similar ones) developing in twigs of deciduous trees. Britain, Czechoslovakia, Yugoslavia, Italy.

**Dipara petiolata** Walker, 1833  
HRV: Krapina, 19. IX. 1929 (Hensch); Zagreb-Gračani, 16. VI. 1965 (Bouček).  
Host unknown (a related species was reared recently from a Curculionid in India). Widely distributed in Europe.

**Dirhicnus pirus** (Walker, 1839).  
SLO: Postojna, 14. VII. 1958 (Coe). — HRV: Mali Lošinj, IX. 1964 (Mikula); Zadar, VII. 1966 (Hoffer); Biograd n/m, VII. 1965 (Bouček).  
Parasite emerging from adult Curculionids of the genus *Otiorrhynchus*. Widely distributed in Europe.

**Erdoesia tessellata** Bouček, 1957  
HRV: Krapina, 5. XI. 1915 (Hensch).  
Obviously a parasite of xylophagous beetles, but no host recorded yet. Widely distributed in central Europe but local.

**Erythromalus nubilipennis** (Walker, 1835)  
SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).  
Host unknown. British Isles, central Europe to Yugoslavia.

**Erythromalus rufiventris** (Walker, 1835)  
SLO: Postojna, VII. 1958 (Coe). — HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček).  
Host unknown. Britain, central Europe, mainly in forest habitats.

**Euloncheton scalprum** (Askew, 1962)  
HRV: Zalesina, Gorski Kotar, ex *Pontania viminalis* L., IX. 1971 (Spaić).  
Parasite in Tenthredinid galls on *Salix* spp. Previously known from Britain, Czechoslovakia and Canada.

**Euloncheton torymoides** (Thomson, 1878)  
HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).  
Parasite in Tenthredinid galls, reared in Britain from *Pontania collactanea* Först. on *Salix repens* L., otherwise recorded from Sweden and found in Denmark.

**Eumacepolus grahami** Rosen, 1960  
HRV: Krapina (Hensch).  
Parasite in galls of the Cecidomyiid *Mikiola fagi* Htg. on leaves of *Fagus*. So far recorded from Sweden, Germany and Czechoslovakia.

**Euneura augarus** Walker, 1844  
SLO: Nova Gorica, ex *Chaitophorus ?masonovi* Mordv. on *Populus*. — HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček); Biograd n/m, 20. VII. 1968 (Bouček). — CRG: Crno jezero, Durmitor Mts., VI. 1958 (Bouček).  
Hyperparasite of various Aphids via their primary parasites (mainly Aphydinae). Whole Europe, also Japan.

**Eunotus nigriclavis** (Förster, 1856)  
HRV: Biograd n/m [Bouček, 1972b].  
Host unknown but certainly a Coccid. So far recorded from West Germany, Czechoslovakia and Yugoslavia.

**Eupteromalus genalis** Graham, 1969  
HRV: Zagreb, ex *Masicera senilis* Meig. in *Pyrausta nubilalis* Hbn. [Graham, 1969].  
Hyperparasite of some Lepidoptera through Tachinidae (see the record above) or Ichneumonidae. Austria, Italy, Yugoslavia.

**Eupteromalus ?tigasis** (Walker, 1839)  
SRB: Deliblat, Peščara, VIII. 1969, Indija and Bajina Bašta, VIII. 1968 (Lekić).  
The West European *E. tigasis* were reared from *Bucculatrix maritima* Stnt. (Lep., Bucculatricidae), the Serbian specimens were found associated with *Orobanche cumana*.

**Gastracanthus pulcerrimus** Westwood, 1833  
HRV: Krapina (Hensch); Plitvice Lakes, VII. 1955 (Coe).  
Probably a parasite of xylophagous beetles but no host is known for certain (rearing from adult beetle *Byrrhus fasciatus* Först. in Germany is regarded as dubious). Widely distributed in forests of Europe.

**Gastrancistrus compressus** Walker, 1834  
CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).  
Apparently a parasite of Cecidomyiidae, but no host record known. Widely distributed in Europe.

**Gastrancistrus consors** Graham, 1969  
SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).  
Host unknown (probably a Cecidomyiid on oak leaves). Recorded only from Britain.

**Gastrancistrus glabellus** (Nees, 1834)  
CRG: Tara Canyon nr. Žabljak, 30. VI. and 2. VII. 1958 (Bouček).  
No host record (certainly a Cecidomyiid). Whole Europe.

**Gastrancistrus latifrons** (Thomson, 1876)  
HRV: Biograd n/m, 13. VII. 1968 (Bouček). — SRB: Bukulja, 27. VI. 1968 (Bouček).  
Host unknown. Widely distributed in Europe but recorded only from Britain and Sweden.

**Glyphognathus umbelliferae** Graham, 1956  
CRG: Podgora and Crno jezero nr. Žabljak, 25. VI. and 6. VII. 1958 (Bouček).  
Reared from *Phytomyza* spp. (Agromyzidae) mining leaves of *Heracleum* and *Solidago virgaurea*. Uncommon but widely distributed in Europe.

**Habrocytus brevicornis** (Ratzeburg, 1844)

HRV: Krapina, 31. V. 1925 (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Devojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček); Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite of Crabronine wasps (Sphecidae) nesting in old wood, e. g. in tree stumps. Widely distributed in Europe, also in North America.

**Habrocytus albipennis** (Walker, 1835)

SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Parasite of some Trypetid flies (e. g. of genera *Trypeta*, *Tephritis*) developing in flowerheads of various Compositae (e. g. *Centaurea*, *Carduus*). Whole Europe.

**Habrocytus altus** (Walker, 1834)

HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček). — CRG: Tara Canyon nr. Žabljak, 2. VII. 1958 (Bouček).

Host unknown, but probably associated with oaks. From Britain to Moldavian SSR.

**Habrocytus bedeguaris** (Thomson, 1878)

SRB: Beograd district, ex *Diplolepis rosae*, *Orthopelma luteolator* and *Periclistus brandtii* [Vukasović, 1928d].

Common parasite in rose galls (bedeguars). Whole Europe, also North America (introduced).

**Habrocytus capreae** (Linnaeus, 1761)

HRV: Zalesina, Gorski Kotar, ex *Pontania viminalis* L., IX. 1971 (Spaić). Parasite in leaf-galls of the above Tenthredinid on *Salix* spp. Whole Europe, also North America.

**Habrocytus cardui** (Erdös, 1953)

SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Parasite, probably of Trypetid flies, in inflorescences of *Carduus acanthoides* L. Recoded from Britain, Czechoslovakia and Hungary.

**Habrocytus chrysos** (Walker, 1836)

HRV: Biograd n/m, VII. 1965 (Bouček). — SRB: Pančevo, Novi Sad and Beograd, ex *Stilpnobia salicis*, 1964, 1968 (Vasić); Beograd, ex *Apanteles* sp., VII. and IX. 1968 (Vasić); Zaječar, ex *Apanteles* in *L. dispar*, VI. 1972 (Vasić). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček). — MAK: Prespa-Otešovo, VI. 1955 (Coe); Demir Kapija, ex *Lymantria dispar*, 4. VI. 1968 (Vasić).

Primary or secondary parasite of various Lepidoptera. Whole Europe.

**Habrocytus cionobius** (Erdös, 1953)

BH: Mostar, ex *Gymnetron netum* Gyll., 29. VII. 1971 (Bogavac). — CRG: Petrovac, ex *G. netum* in *Linaria dalmatica*, 2. VIII. 1971 (Bogavac). — SRB: Sićevačka Klisura, ex *G. netum* in *L. dalmatica*, VIII. 1969 and 1970 (Bogavac). — MAK: Crna Reka and Bitolj, ex *Gymnetron*, VIII. 1970 and VII. 1971 (Bogavac).

Parasite in Curculionid galls in fruits and stems of some plants like *Vermascum* and *Linaria*. Recorded from Hungary but seems to be more widely distributed (?France, ?Czechoslovakia).

**Habrocytus dolichurus** (Thomson, 1878)

HRV: Zalesina, Gorski Kotar, ex *Pontania viminalis* L., IX. 1971 (Spaić). Parasite in Tenthredinid galls on *Salix* spp. Widely distributed in Europe.

**Habrocytus elevatus** (Walker, 1834)

CRG: Podgora nr. Žabljak, VI. 1958 (Bouček). — MAK: Ohrid district, VI. 1966 (Königsmann).

Parasite of Trypetidae causing galls in flowerheads of some Compositae (*Carduus*, *Cirsium*, *Centaurea* etc.). Probably whole Europe, to Transcaucasia.

**Habrocytus grandis** (Walker, 1835)

SRB: ?Beograd district, ex *Anthonomus (cinctus =) pyri* and *A. pomorum* [Vukasović, 1931b, 1931c, 1932a, 1932b; as *Habr. saxeseni* and *H. sp.*].

Parasite of *Anthonomus* spp. (Curculionidae). Whole Europe.

**Habrocytus platyphilus** (Walker, 1874)

HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Ruma (Hensch). — MAK: Mavrovo, 22. VI. 1966 and Struga/Crni Drim, 1. VII. 1965 (Königsmann).

Parasite in egg-sacks of spiders, e. g. of *Dictyna arundinacea* L. Probably all over the Palaearctic region.

**Habrocytus semotus** (Walker, 1834) (= *cerealellae* Ashmead)

SRB: Pančevo, ex wheat in flour mill infested by beetles [Freeman, 1959; as *H. cerealellae*]; Beograd district, ex *Yponomeuta malinella* [Vukasović, 1927a, 1928d, 1929b, 1933a; as *Pteromalus variabilis*]. — BH: Sarajevo district, ex *Phylloonycter blancaudella* F., 1971 (Dimić).

Common parasite, primary or secondary, mainly of various Lepidoptera, but sometimes recorded also as parasite of beetles in stored products. Cosmopolitan.

**Habrocytus sequester** (Walker, 1835)

SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Common parasite of Bruchidae in pods of Leguminosae, probably also of some Curculionid beetles. Whole Europe.

**Halticoptera brevicornis** Thomson, 1876

SLO: Postojna, VII. 1958 (Coe). — SRB: Kopaonik, 25. VII. 1955 (Janković). — CRG: Crno jezero and Podgora nr. Žabljak, VI.—VII. 1958 (Bouček).

Parasite of some Diptera but no host known for certain; common on calcareous ground. Widely distributed in Europe.

**Halticoptera collaris** (Walker, 1836)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — CRG: Tara Canyon nr. Žabljak, 30. VI. 1958 (Bouček); Kolašin, VI. 1958 (Coe). — MAK: Mavrovo, 22. VI. 1966 (Königsmann).

Parasite of some Diptera, seems to be associated with *Pteridium aquilinum* L. Widely distributed in Europe.

**Halticoptera flavigornis** (Spinola, 1808)

HRV: Krapina, 10. VI. 1925 (Hensch).

Parasite of *Philophylla heraclei* L. (Tryptidae) on Umbelliferae, perhaps also of some other Diptera (recorded as such, but it is doubtful). Widely distributed in Europe.

**Halticoptera hippocampus** (Walker, 1839)

CRG: Tara Canyon nr. Žabljak, 6. VII. 1958 (Bouček).

The dipterous host not yet known. Recorded only from Britain and Sweden, found also in Czechoslovakia.

**Halticoptera patellana** (Dalman, 1818)

CRG: Kolašin, VI. 1958 (Coe).

Hosts: *Spilographa zoe* Meig. (Tryptidae) on *Senecio* and unidentified species on *Pteridium aquilinum* L.; also recorded from several Agromyzidae (genera *Phytomyza*, *Liriomyza*, *Agromyza*). Widely distributed in Europe.

**Halticoptera poreia** (Walker, 1848)

CRG: Borova Glava nr. Žabljak, 4. VII. 1958 (Dlabola).

Host unknown (certainly Diptera). Known from Britain, found also in Italy.

**Hemitrichus seniculus** (Nees, 1834)

SLO: Postojna, 18. VII. 1958 (Coe). — HRV: Krapina (Hensch); Cerna nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Žabljak, 25. VI. 1958 (Bouček); Ulcinj, 22. VI. 1969 (Hoffer).

Often associated with stored products and the original hosts might have been some Anobiid beetles. Whole Europe, also North America.

**Heteroprymna longicornis** (Walker, 1835)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Mali Vrh, Kopaonik, 26. VII. 1957 (Janković).

Host not known; probably associated with limetrees (*Tilia*). Southern and central Europe, from Britain to Moldavian SSR.

**Hobya stenonota** (Ratzeburg, 1848)

SLO: Piran, ex *Biorhiza pallida* [Fahringer, 1921; as *Cecidostiba collaris*].

Parasite in galls of the Cynipid *Biorhiza pallida* Oliv. on deciduous oaks. Whole Europe.

**Holcaeus compressus** (Walker, 1836)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Host unknown; associated with trees. Widely distributed in Europe.

**Holcaeus stenogaster** (Walker, 1836)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Host still unknown. Probably whole Europe.

**Homoporus aphareus** (Walker, 1839)

SLO: Postojna, VII. 1958 (Coe). — HRV: Biograd n/m, VII. 1968 (Bouček).

— SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Host unknown; probably some insects in grass stems. Whole Europe.

**Homoporus biroi** Szelényi, 1956

HRV: Zadar, 30. VII. 1966 (Hoffer).

Host unkown; associated with grasses in steppe habitats. Recorded from Czechoslovakia, Hungary and Azerbaijan.

**Homoporus chalcidiphagus** (Walsh & Riley, 1869)

HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite of some insects in grass stems, mainly of *Tetramesa* spp. (Eurytomidae) and of their parasites, also of *Mayetiola destructor* Say (Cecidomyiidae). Holarctic in distribution.

**Homoporus fulviventris** (Walker, 1835)

HRV: Biograd n/m, VII. 1968 (Bouček). — BH: Neum, 8. VII. 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček).

Parasite of insects in grass stems. Widely distributed in Europe.

**Homoporus laeviusculus** Erdös, 1953

HRV: Zadar, 30. VII. 1966 (Hoffer).

Host unknown (in grass stems). Czechoslovakia, Hungary, Moldavian SSR, Azerbaijan.

**Homoporus luniger** (Nees, 1834)

HRV: Biograd n/m, 10. VII. 1965 (Bouček); Spačva nr. Vinkovci, 21. VII. 1965 (Bouček).

Parasite of various insects in stems of Gramineae, possibly also in stems and twigs of other plants. Holarctic in distribution.

**Homoporus pulchripes** Erdös, 1953

SRB: Grebenac, 29. VI. 1968 (Bouček).

Parasite of *Tetramesa aciculata* Schlecht. in stems of *Stipa* spp. In steppe habitats from France to the Ukraine.

**Homoporus sashegyensis** Erdös, 1953

SRB: Grebenac, 29. VI. 1968 (Bouček).

Parasite of *Tetramesa* spp. developing in *Stipa* spp. South-eastern Europe, in dry habitats.

**Homoporus semiluteus** (Walker, 1872) (= *bicolor* Erdös)

HRV: Biograd n/m, 10. VII. 1965 (Bouček); Isl. Ugljan, 17. VII. 1966 (Hoffer).

Parasite of some grass-stem dwellers. Southern and central Europe.

**Homoporus subniger** (Walker, 1835)

SRB: Bajina Bašta, on *Orobanche ramosa*, 27. VIII. 1968 (Lekić). — CRG: Ulcinj, 23. VI. 1969 (Hoffer).

Parasite of *Aylax papaveris* Kieff. in stems of *Papaver* and of some other species in stems of *Centaurea* etc. Whole Europe.

**Hyperimerus pusillus** (Walker, 1833) (= *Mespilon exiguum* Greham)  
JUGOSL: [Bouček, 1961]. — CRG: Borova Glava nr. Žabljak, 4. VII. 1958  
(Dlabola).  
Host not known. Britain, Sweden, Czechoslovakia and Yugoslavia.

**Ischyroptyx ligusticus** (Masi, 1921)  
HRV: Isl. Rab, 4. VI. 1914 (Vienna Mus.); Zadar and Isl. Ugljan, VII. 1966  
(Hoffer); Biograd n/m, VII. 1968 (Bouček). — SRB: Subotica, 22. VIII. 1941  
(Taubert); Beograd-Košutnjak, 2. VII. 1968 (Bouček). — BH: Sutorina, 16. VI.  
1911 (Spaney-Schumacher). — CRG: Zelenika, VIII. 1906 (Horváth); Bar and  
Ulcinj, VI.—VII. 1969 (Hoffer).

Host unknown (a beetle?). Widely distributed in Mediterranean countries,  
up to Czechoslovakia, also Azerbaijan.

**Isocyrthus laetus** Walker, 1833  
HRV: Zalesina, Gorski Kotar, 25. VI. 1965 and Zagreb-Gračani, 20. VI. 1965  
(Bouček).

Host unknown. Widely distributed from Britain to Moldavian SSR.

**Kaleva corynocera** Graham, 1957  
HRV: Krapina (Hensch). — SRB: Ruma (Hensch); Topola, Šumadija, 27.  
VI. and Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Probably a parasite of *Spilomena* spp. (Hym., Sphecidae) in twigs of  
*Rubus* etc. From Britain and Sweden to Yugoslavia and Moldavian SSR.

**Ksenoplata quadrata** Bouček, 1965  
SRB: Rošljana, Deliblat, Peščara, 28. VI. 1968 (Bouček). — MAK: Ohrid  
and district, VI. 1966 (Königsmann); Prespa, 22. VI. 1958 (Coe).

Host unknown (?Diptera). Found in Czechoslovakia, Bulgaria, Yugoslavia  
and Azerbaijan.

**Lamprotatus pschorni** Delucchi, 1953  
JUGOSL: [Bouček, 1970b]. — HRV: Spačva nr. Vinkovci, 21. VI. 1965  
(Bouček).

Host unknown (Diptera!). Widely distributed in Europe except south.

**Lamprotatus splendens** Westwood, 1833  
HRV: Krapina, VII.—X. 1910—1914 (Hensch); Isl. Hvar, ex *Pegomya albimargo* Pand., 1963 (Hering).

Parasite of various Diptera, mainly of Anthomyiine Muscidae (genera *Pegomya*, *Hylemya* etc.) mining thick leaves of some plants like *Rumex*, *Senecio*. Widely distributed in Europe.

**Lariophagus distinguendus** (Förster, 1841)  
HRV: Krapina (Hensch). — SRB: Fruška Gora [Freeman, 1959]; Beograd  
district [Vukasović, 1932a, 1932b].

Parasite of beetles associated with stored products. Cosmopolitan.

**Lariophagus fimbriatus** Bouček, 1965  
HRV: Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).  
Host unknown (probably Anobiidae, Col.). Recorded from Czechoslovakia  
and Moldavian SSR.

**Macromesus amphiretus** Walker, 1848  
HRV: Krapina (Hensch).  
Parasite of small Scolytidae (Col.) of the genera *Phthorophloeus*, *Pityophthorus*, *Pityogenes* etc., mainly on *Picea*. Mainly northern and central Europe.

**Meraporus graminicola** Walker, 1834  
SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).  
Parasite of some insects in grass stems, mainly of *Mayetiola* spp. (Cecidomyiidae). Whole Europe, North Africa.

**Merismus megapterus** Walker, 1833  
HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Morović,  
17. VII. 1958 (Coe).  
Parasite of some Agromyzidae of the genus *Phytobia* mining various  
herbaceous plants. Mainly western and central Europe.

**Merismus nitidus** (Walker, 1833)  
HRV: Krapina (Hensch).  
Parasite of Diptera; reared from *Cnemacantha rorida* Fall. (Lauxaniidae). Recorded from British Isles, found also in Czechoslovakia.

**Merisus splendidus** Walker, 1835  
SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček). — CRG: Bar and Ulcinj,  
VI. 1969 (Hoffer). — MAK: Popova Šapka, 24. VI. 1966 and Novi Dojran, 25. VI.  
1965 (Königsmann).  
Parasite of some *Teramesa* spp. (Hym., (Hym., Eurytomidae) in grass  
stems. Widely distributed in Europe, also North Africa.

**Mesopolobus aequus** (Walker, 1834)  
HRV: Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Vrška Čuka nr. Zajecar,  
22. V. 1972 (Marović).  
Develops in internodes of grass stems as a predator on eggs and larvae  
of other insects, e. g. of Delphacidae. Whole western Palaearctic region, also  
North America.

**Mesopolobus amaenus** (Walker, 1834)  
HRV: Biograd n/m, 7. VII. 1965 (Bouček).  
Parasite in galls, mainly of various species of the genus *Andricus* (Cynipidae), on deciduous oaks. Widely distributed in Europe.

**Mesopolobus diffinis** (Walker, 1834)  
HRV: Gorski Kotar, ex *Argyresthia fundella* [Spaić, 1972]; Zagreb-Gračani,  
18. VI. 1965 (Bouček). — CRG: nr. Žabljak, on *Juniperus communis*, VI. 1958  
(Bouček).

Known mainly as parasite of various Cecidomyiid gall-makers, e. g. on  
*Artemisia*, *Chrysanthemum* and other plants. Widely distributed in Europe,  
to Transcaucasia.

**Mesopolobus dubius** (Walker, 1834)

HRV: Spačva nr. Vinkovci, 21.VI. 1965 (Bouček).

Parasite in galls of various Cynipidae on leaves of deciduous oaks. Widely distributed in Europe.

**Mesopolobus flaviclavatus** (Ferrière, 1952)

HRV: Isl. Ugljan, nr. Kali, Cecidomyiid galls on *Salicornia*, VIII. 1966 (Hoffer).

Parasite in the mentioned galls on *Salicornia* spp. Spain (n. rec.), Corsica (n. rec.), Italy, Yugoslavia.

**Mesopolobus jucundus** (Walker, 1834)

HRV: Lošinj (Depoli, Turin Inst. Ent.).

Parasite, mainly in leaf-galls and bud-galls of various Cynipidae on deciduous oaks. Widely distributed in Europe, also Israel.

**Mesopolobus laticornis** (Walker, 1834)

HRV: Biograd n/m, VII. 1965 (Bouček). — CRG: Budva, 9. VII. 1958 (Bouček).

Develops in stems of grasses (e. g. *Arrhenatherum elatius*). Probably whole Europe.

**Mesopolobus mediterraneus** (Mayr, 1903)

HRV: Mrkopalj, Gorski Kotar, ex *Argyresthia fundella*, VI. 1968 (Spaić); Lividraga, Gorski Kotar, ex *A. fundella* [Spaić, 1972]; Isl. Ugljan and Biograd n/m, VII. 1965 (Bouček). — BH: Sarajevo and Mostar districts and eastern Hercegovina, ex *Yponomeuta malinella* and *Y. padella* [Vaclav, 1958].

Rather polyphagous, known mainly as hyperparasite of various Lepidoptera (via Braconidae, Ichneumonidae), also recorded as parasite in galls of some Cecidomyiidae. From Britain and Sweden to Turkey.

**Mesopolobus morys** (Walker, 1848)

SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Develops parasitically in stems of *Brassica* spp. where its main host is *Ceutorhynchus assimilis* Payk. (Col., Curculionidae). Whole Europe.

**Mesopolobus tibialis** (Westwood, 1833)

HRV: Krapina, 25. XI. 1923 (Hensch); Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Durmitor Mts., VI. 1958 (Bouček).

Parasite in leaf-galls, more rarely in bud-galls, of various Cynipidae (e. g. of the genera *Andricus*, *Neuroterus*) on deciduous oaks. Whole Europe, also Near East.

**Metacolus azureus** (Ratzeburg, 1844) (= *varicolor* Förster)

SLO: Postojna, 1. VIII. 1958 (Coe). — HRV: Biograd n/m, VII. 1965 (Bouček). — BH: (?) Višegrad, Banja and Kopito, VII.—VIII. 1916 (Apfelbeck, Budap. Mus.). — CRG: Durmitor [Bouček, 1961; as *M. varicolor*].

Parasite of various Scolytidae, e. g. *Pityogenes* spp. on *Pinus*. Widely distributed in Europe.

**Metacolus unifasciatus** Förster, 1856

HRV: Istra, ex *Phloeosinus serrifer* Wichm. [Ruschka, 1916]; Dugi Otok, nr. Sali, 18. VII. 1968 (Bouček); Biograd n/m, ex *Pityogenes calcaratus* on *Pinus maritima*, 1971 (Spaić). — BH: (?) Višegrad, Banja and Kopito, VII.—VIII. 1916 (Apfelbeck). — CRG: Tara Canyon nr. Žabljak, VI. 1958 (Bouček). Parasite of various Scolytidae on *Pinus*. Whole Europe.

**Metastenus concinnus** Walker, 1834

HRV: Biograd n/m, 19. VII. 1968 (Bouček).

Parasite of Coccinellidae of the genera *Scymnus* and *Pullus*. Distributed throughout central and southern Europe to Transcaucasia.

**Miscogaster maculata** Walker, 1833

HRA: Hvar, Jelsa, ex *Agromyza nana* Meig. on *Trifolium stellatum* and on *Medicago hispida*, XI. 1965 (Hering).

Parasite of various Agromyzidae (Dipt.), mainly of the genera *Agromyza*, *Napomyza*, *Phytomyza* and *Phytobia* on herbaceous plants. Whole Europe.

**Miscogaster rufipes** Walker, 1833

HRV: Krapina (Hensch); Hvar, Jelsa, ex *Agromyza abiens* Zett. on *Anchusa italicica*, *Echium altissimum*; Milna, ex *Agromyza* sp., X. 1965 (Hering).

Parasite of various *Agromyza* and *Phytomyza* spp. (Agromyzidae). Widely distributed in Europe.

**Nasonia vitripennis** (Walker, 1836)

HRV: Karlovac (Hensch). — SRB: Ruma (Hensch).

Cosmopolitan parasite of various Calliphoridae, Muscidae and some other Diptera.

**Netomocera setifera** Bouček, 1954

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček). — SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček); Kršanje, Orjen Mts., 24. VII. 1968 (Marović). — CRG: Podgora nr. Žabljak, 26. VI. 1958 (Bouček); Sutomore, 6. VII. 1968 (Bouček); Ulcinj, 23. VI. 1969 (Hoffer).

Host unknown. Widely distributed in southern Europe up to Czechoslovakia.

**Norbanus scabriculus** (Nees, 1834)

HRV: Krapina (Hensch); Zadar, 30. VII. 1966 (Hoffer). — CRG: Budva, 9. VII. 1958 (Bouček).

Parasite of Cephidae (Hym.) in grass stems including *Cephush pygmaeus* L. and *Trachelus tabidus* F., pests of cereals. Widely distributed in central and southern Europe.

**Notanisus clavatus** Bouček, 1961

HRV: nr. Zadar, 24. VII. 1966 (Hoffer); Biograd n/m, 12. VII. 1968 (Bouček).

Host unknown (probably an insect in grass stems). Described from Transcaucasia, later found also in Cyprus and Bulgaria.

**Notanisus versicolor** Walker, 1837

HRV: nr. Zadar, 24. VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček)  
Host unknown (very probably an insect in grass stems). Widely distributed in Mediterranean countries up to Czechoslovakia and east to Azerbaijan.

**Notoglyptus niger** Masi, 1917

MAK: Popova Šapka, 23. VI. 1966 (Königsmann).  
Host unknown (probably Diptera). Southern Europe to Czechoslovakia, Transcaucasia and also in some parts of Africa and Asia.

**Novitzkyanus cryptogaster** Bouček, 1961

HRV: Split, 29. V. 1963 (Novak).  
Host unknown (probably Diptera). Central Europe and Mediterranean countries.

**Oedaule italica** Masi, 1922

HRV: Zadar, 31. X. 1931 (G. Tamino); Biograd n/m, 26. VII. 1966 (Hoffer) and 14. VII. 1968 (Bouček).  
Host unknown (probably Bruchidae). Recorded only from Italy.

**Oodera formosa** (Giraud, 1863)

HRV: Opatija nr. Rijeka, with *Agrilus* sp., *Hylesinus* sp. and *Tillus unifasciatus* F. on *Robinia* [Hedqvist, 1957]. — SRB: Vršac.  
Parasite of xylophagous beetles, mainly of Buprestidae. Widely distributed in Mediterranean countries but local and rare.

**Oxysyphus planiscuta** Delucchi, 1956

SRB: Raška, V. 1969 (Marović).  
Host unknown (probably Coleoptera). Recorded only from France.

**Oxysyphus silvestrii** (Masi, 1921)

HRV: Isl. Ugljan, nr. Kali, 25. VII. 1966 (Hoffer).  
Host unknown. Recorded from Italy.

**Pachycrepoideus vindemmiae** (Rondani, 1875)

HRV: Biograd n/m, VII. 1965 (Bouček). — SRB: Beograd, X. 1924 (Vučković).  
Cosmopolitan parasite of various small Diptera, mainly of Drosophilidae, some Muscidae, Trypetidae, etc.

**Pachyneuron aeneum** Masi, 1929

HRV: Biograd n/m, VII. 1968 (Bouček).  
Parasite in puparia of Syrphidae (Dipt.), e. g. of *Epistrophe balteata* Deg. Circummediterranean countries, also Moldavian SSR and Azerbaijan.

**Pachyneuron aphidis** (Bouché, 1834)

HRV: Biograd n/m, VII. 1965 (Bouček). — SRB: Beograd district, as hyperparasite of Aphids via various species of Aphidiinae [Vučković, 1925a, 1925b, 1928d, 1931d]; Kršanje, Tara Mts., 24. VII. 1968 (Marović); Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Bar, 18. VI. 1969 (Hoffer). — MAK: Struga, Drim, 14. VI. 1966 (Königsmann).

Common and nowadays probably cosmopolitan hyperparasite of many Aphids, mainly via Aphidiinae (their primary parasites).

**Pachyneuron concolor** (Förster, 1841)

HRV: Zadar, ex *Philippia oleae* Cost. [Ruschka & Fulmek, 1915; as *P. coccorum*]; Biograd n/m, VII. 1965 (Bouček); Split and Sućurac, ex *Philippia oleae*, 1926 (Novak). — SRB: Beograd, Valjevo, Čačak, Kraljevo, Kruševac, Aleksinac, Kragujevac, Žagubica and Sremski Karlovci, ex *Parthenolecanium corni* [Mitić-Mužina, 1964]; Žagubica-Laznica, Kučevo-Neresnica, Krepoljin, Sremski Karlovci-Gladnoš, Subotica-Palić, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967]; Beograd-Košutnjak, VII. 1968 (Bouček); Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite attacking mainly various Coccids, less frequently other insects in the same habitats, e. g. Psyllids, Coccinellid pupae etc. Holarctic in distribution.

**Pachyneuron cremifaniae** Delucchi, 1953

HRV: Biograd n/m, 6. VII. 1965 (Bouček).

Secondary parasite of Aphids developing on account of their primary parasites of the genus *Leucopis* (Dipt., Chamaemyiidae). Widely distributed in Europe to Transcaucasia.

**Pachyneuron grande** Thomson, 1878

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček); Biograd n/m, VII. 1965 (Bouček). — SRB: Ruma (Hensch).

Parasite in puparia of aphidophagous Syrphidae. Forest zone of Europe.

**Panstenon oxylus** (Walker, 1839)

HRV: Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Novipazar, Boljanić-Pljevlja, ex Tachinid in *Malacosoma neustria* L. [Tölg & Fahringer, 1911; Fahringer & Tölg, 1912; very dubious records!].

Develops as a predator on eggs of Delphacidae in grass stems, according to another record in puparia of Agromyzidae. Widely distributed in Europe.

**Peridesmia discus** (Walker, 1835)

SRB: Milanov Vrh, Kopaonik [Bouček, 1972b].

Parasite of *Hypera postica* Gyll. (Col., Curculionidae). Widely distributed in Europe, also in USA (introduced).

**Perniphora robusta** Ruschka, 1923

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček); Vaganski vrh, Velebit Mts., 28. VII. 1893 (Budap. Mus.). — CRG: Tara Canyon nr. Žabljak, 30. VI. 1958 (Bouček).

Parasite of Scolytidae of the genera *Trypodendron*, *Xyleborus* and *Xyloteras*. Whole Europe, except perhaps the southernmost parts.

**Picroscytoides albiventris** Bouček, 1970

HRV: Biograd n/m and Sali, Dugi Otok [Bouček, 1970a]. — SRB: Subotica [Bouček, 1970a].

Host unknown. Southern Europe, Turkey, Central Asia.

**Picroscytoides cerasiops** Masi, 1922

HRV: Dundovci, 1412 m, Velebit Mts., 22. VII. 1910 (Meusel); Dalmatia [Masi, 1922]; Biograd n/m, 12. VII. 1968 (Bouček); Split, VI. 1948 (Balthasar). — SRB: Ruma, 28. VII. 1904 (Hensch).

Parasite of Curculionids of the genus *Lixus* (and probably some other genera) developing in stems of *Cirsium*, *Onopordon*, *Carduus*, *Amaranthus*. Mediterranean countries, north to Czechoslovakia.

**Picroscytoides obscurus** Masi, 1922

HRV: Biograd n/m, VII. 1965 and 1968 (Bouček). — SRB: Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček) — MAK: Ohrid, 20. VI. 1966 (Königsmann).

Parasite of Cephidae (Hym.), in stems of Gramineae including cereals. Southern Europe to Czechoslovakia and Transcaucasia.

**Pirene bouceki** Graham, 1969

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Host unknown. Species recorded from Britain and Czechoslovakia.

**Pirene chalybea** Haliday, 1833

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB.: Bukulja, 27. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Endoparasite of *Contarinia pisi* Winn. (Dipt., Cecidomyiidae). Widely distributed in Europe.

**Pirene conjungens** Graham, 1969

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Bukulja, 27. VI. 1968 (Bouček).

Host unknown. Recorded previously only from British Isles.

**Pirene microcera** (Haliday, 1844)

SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Host unknown. So far recorded only from Ireland.

**Pirene penetrans** (Kirby, 1800)

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček).

Parasite of Cecidomyiidae (Dipt.), reared e. g. from *Contarinia tritici* Kirby and *Sitodiplosis mosellana* Géhin. Widely distributed in Europe, also in Canada.

**Pirene varicornis** Haliday, 1833

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Borova Glava, nr. Žabljak, 4. VII. 1958 (Dlalbola).

Reared from *Contarinia tritici* Kirby (Dipt., Cecidomyiidae). Probably widely distributed in Europe.

**Platygerrhus affinis** (Walker, 1836)

HRV: Krapina, 23. VI. — 22. V. 1913—1925 (Hensch).

Reared from *Anobium punctatum* Deg. (Col., Anobiidae). Widely distributed in Europe, mainly in woods.

**Platygerrhus dolosus** (Walker, 1836)

HRV: Krapina, V. 1925—1927 (Hensch).

Recorded as ectoparasite of *Laemophloeus ater* Oliv. (Col., Cucujidae), a predator on Scolytidae on *Sarrothamnus scoparius* L. Widely distributed in Europe.

**Platygerrhus ductilis** (Walker, 1836)

HRV: Krapina, 22. IV. — 7. V. 1915—1926 (Hensch). — CRG: Tara Canyon nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite of xylophagous beetles, possibly including *Scolytus* and *Anobium* spp. From Britain and Sweden to Yugoslavia.

**Plutothrix cisae** Hedqvist, 1966

HRV: Senj, 30. VI. 1905 (Biró).

Probably parasitic on *Cis boleti* Scop. (Col., Ciidae) in *Polyporus* sp. Recorded from Britain, Sweden, Czechoslovakia and Canada.

**Plutothrix coelius** (Walker, 1839)

HRV: Krapina (Hensch).

Reared from *Anobium punctatum* Deg. (Col., Anobiidae). Widely distributed in Europe.

**Plutothrix scenicus** (Walker, 1836)

HRV: Krapina (Hensch); Zagreb-Gračani, 16. VI. 1965 and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 and Bukulja, 27. VI. 1968 (Bouček).

Parasite of Anobiidae and probably some other xylophagous beetles. Widely distributed in Europe.

**Plutothrix trifasciatus** (Thomson, 1878)

HRV: Varaždin (Košec); Krapina (Hensch); Zagreb-Gračani, 18. VI. 1965 (Bouček).

Parasite of xylophagous Coleoptera. Widely distributed in Europe.

**Pseudocatolaccus nitescens** (Walker, 1834) (= *Asphondyliae* Masi)

SLO: Postojna, VIII. 1958 (Coe). — HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 (Bouček); Isl. Ugljan and Biograd n/m, VII. 1965, 1968 (Bouček); Dubrovnik, VI. 1965 (Dlalbola); Isl. Korčula, V. 1955 and VI. 1965 (Coe; Dlalbola). — SRB: Ruma (Hensch); Bukulja, VI. 1968 and Dobra Voda, Goč, VI. 1968 (Bouček); — CRG: Žabljak district, VI. 1958 (Bouček); Sutomore, 6. VII. 1968 (Bouček). — MAK: Ohrid, VI. 1958 and VII. 1965 (Coe; Königsmann); Dojran Lake, 24. VI. 1965 (Königsmann).

Parasite in galls of *Asphondylia* spp. and probably of some other Cecidomyiidae. Common in whole Europe.

**Psilocera atra** (Walker, 1834)

SLO: Postojna, VII. 1958 (Coe). — HRV: Vinica nr. Varaždin, 19. VI. 1965 and Zagreb-Gračani, VI. 1965 (Bouček); Isl. Ugljan, 12. VII. 1965 (Bouček).

SRB: Bukulja and Dobra Voda, Goč, VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček); Sutomore, 6. VII. 1968 (Bouček).

Host unknown (a grass dweller?). Widely distributed in Europe.

**Psilocera crassispina** (Thomson, 1878)

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina, 2. VII. 1925 (Hensch); Biograd n/m, VII. 1965 (Bouček). — SRB: Ruma (Hensch); Bukulja, 27. VI. 1968 (Bouček).

Host unknown (?Coleoptera). Widely distributed in Europe, more common in dry regions.

**Psilocera obscura** Walker, 1833

SLO: Rakova dolina, VII. 1958 (Coe). — HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Bukulja, Šumadija and Dobra Voda, Goč, VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček):

Host unknown. Widely distributed in Europe.

**Psychophagus omnivorus** (Walker, 1835)

HRV: Croatia and Slavonia, ex *Malacosoma neustria* [Kovačević, 1926]; Varaždin (Košćec); Krapina (Hensch). — SRB: Palic and Bački Petrovac district, ex *Hyphantria cunea* Dru. [Bogavac, 1953]; Ruma (Hensch); Sremski Karlovci, ex *Stilpnobia salicis*, 9. VI. 1968 (Vasić). — MAK: Demir Kapija, 8. IV. 1968, ex *Lymantria dispar* (Vasić).

Primary or secondary parasite in pupae or cocoons of many Lepidoptera and some Tenthredinoidea or their primary parasites (Braconidae and Ichneumonidae, Hym.). Widely distributed in Europe.

**Pteromalus bifoveolatus** Förster, 1841

HRV: Varaždin, ex *Saturnia pyri*, VII. 1931 (Košćec). — SRB: ?Beograd, ex *S. pyri* pupa (Vasić).

Parasite in pupae of *Saturnia pyri* Schiff., less often of *Malacosoma neustria* L. or *Orgyia antiqua* L. (Lep.). Central and southern Europe and North Africa.

**Pteromalus puparum** (Linnaeus, 1758)

HRV: Krapina (Hensch). — SRB: Beograd district, ex *Pieris brassicae* [Vučković, 1925b, 1926a, 1926b, 1926c, 1932c]; Obrenovac, ex *Pyrameis cardui*, 24. VII. 1962 (Hadžistević). — MAK: Prespa, VI. 1958 (Coe).

Common and now almost cosmopolitan parasite in pupae of various Lepidoptera Rhopalocera; sometimes secondary parasite.

**Pteromalus venustus** Walker, 1835

SLO: Postojna, VII. 1958 (Coe). — CRG: Durmitor Mts. [Bouček, 1970b].

Parasite in cocoons of several species of solitary bees of the genus *Megachile*, Widely distributed in Europe.

**Rhaphitelus maculatus** Walker, 1834

HRV: Istra, ex *Scolytus pýgmaeus*, *S. sulcifrons*, *Phloeophthorus latus* and *Phloeosinus serrifer* [Ruschka, 1916]; Dalmatia, ex *Hylesinus oleiperda* [Tominić, 1967]; Biograd n/m, VII. 1968 (Bouček); Split, et *H. oleiperda* [CILB, 1961]. — SRB: Ruma (Hensch). — CRG: Ulcinj, VII. 1969 (Hoffer).

Common parasite of many Scolytidae, mainly on deciduous trees. Europe, North America, also Argentina (introduced?).

**Rhincocoelia constans** (Walker, 1836)

SLO: Triglav, Fužine Lakes, 1000 m, 30. VII. 1936 (Enderlein).

Host unknown (apparently some Diptera). Widely distributed in Europe, mainly in forests.

**Rhincocoelia impar** (Walker, 1836)

HRV: Mali Lošinj, IX. 1964 (Mikula).

Host unknown. Mainly western and southern Europe.

**Rhizomalus cupreus** Bouček, 1972

HRV: Biograd n/m [Bouček, 1972b].

Parasite in galls of *Andricus quercusradicis* F. (Hym., Cynipidae) on oaks. Southern and central Europe.

**Rhopalicus tutela** (Walker, 1836)

HRV: Krapina (Hensch).

Common parasite of many Scolytidae, also recorded from *Pissodes* spp. (Col., Curculionidae). Whole Europe; mainly in spruce forests.

**Rohatina monstrosa** Bouček, 1954

HRV: Biograd n/m, 26. VII. 1966 (Hoffer).

Host unknown. Recorded before only from Czechoslovakia.

**Roptrocerus brevicornis** Thomson, 1878

CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček).

Parasite of Scolytidae, mainly of *Pityogenes* spp. on *Pinus*. Widely distributed in Europe.

**Roptrocerus xylophagorum** (Ratzeburg, 1844)

HRV: Mali Lošinj, ex *Orthotomicus aerosus* (Spaić). — BH: Čardak Mts. and Klekovača [Sachtleben, 1952].

Parasite of many Scolytidae. Whole Europe, Japan, North and Central America.

**Schizonotus latus** (Walker, 1833)

CRG: Borova Glava nr. Žabljak, 4. VII. 1958 (Dlabola).

Parasite of Chrysomelidae (Col.), mainly of *Plagiodera versicolor* Laich. Western and southern Europe up to Czechoslovakia.

**Schizonotus sieboldi** (Ratzeburg, 1852)

HRV: Krapina (Hensch). — SRB: Ruma (Hensch); Kupinski Kut nr. Beograd, »ex *Clostera anastomosis*« (dubious), IX. 1963 (Vasić). — MAK: Prespa, 24. VI. 1958 (Coe).

Parasite of Chrysomelid beetles, mainly of *Melasoma populi* L. Widely distributed in Europe.

**Scutellista cyanea** Motschulsky, 1859

HRV: Dalmatia, »Eso Grande«, ex *Ceroplastes rusci* on *Ficus carica* [Ruschka & Fulmek, 1915]; Makarska nr. Dubrovnik, VIII. 1948 (Obrtel).

Parasite of many Coccids. Common in warmer parts of the world; originally described from Ceylon.

**Scutellista hispanica** (Mercet, 1931)

HRV: Biograd n/m, VII. 1965, 1968 (Bouček).

Parasite of Coccids. Previously recorded only from Spain.

**Scutellista obscura** (Förster, 1878)

HRV: Isl. Ugljan, nr. Kali, 17. VII. 1966 (Hoffer).

Parasite of Coccids. Widely distributed in central Europe and Mediterranean countries.

**Seladerma geniculatum** (Zetterstedt, 1838)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Dubočica nr. Sjenica, Orjen Mts., 25. VII. 1968 (Marović); Tresk., Kopaonik, VII. 1955—57 (Janković). — BH: Sarajevo, 11. VI. 1916 (Apfelbeck, Budap. Mus.). — CRG: Žabljak district, VI. 1958 (Bouček); Ulcinj, 7. VII. 1969 (Hoffer).

Reared from *Phytomyza varipes* Macq. (Agromyzidae) developing in seeds of *Rhinanthus*. Widely distributed in Europe, perhaps except the southernmost parts.

**Semiotellus mundus** (Walker, 1834)

SLO: Postojna, VII. 1958 (Coe). — CRG: nr. Žabljak, VI. — VII. 1958 (Bouček).

Host still unknown. Common throughout Europe.

**Skeloceras mirabile** Delucchi, 1953

HRV: Krapina, VI. 1910 (Hensch); Isl. Hvar, Jelsa, ex *Pegomya cirsicola* Henn. and *P. nigricornis* Strobl on *Cirsium creticum*, X. 1963 (Hering, Br. Mus. Lond.).

Parasite of Agromyzidae on plants like *Rumex*, *Cirsium*. Recorded from Britain and Sweden.

**Skeloceras novickyi** Delucchi, 1953

CRG: Crno jezero, Durmitor Mts., 25. VI. 1958 (Bouček).

Host unknown. British Isles, Switzerland.

**Skeloceras socium** (Zetterstedt, 1838)

CRG: Podgora nr. Žabljak, 26. VI., 6. VII. 1958 (Bouček).

Host unknown (probably Agromyzidae). Widely distributed in Europe.

**Spalangia cameroni** Perkins, 1910

SRB: Ruma [Bouček, 1963a].

Parasite in puparia of various Muscidae (incl. e. g. *Stomoxys calcitrans* L.), Calliphoridae, Sarcophagidae and Trypetidae (Dipt.). Cosmopolitan.

**Spalangia crassicornis** Bouček, 1963

HRV: Krapina [Bouček, 1963a].

Parasite of some Diptera, e. g. *Milichia ludens* Wahl. and *Phyllomyza lasiae* Collin in nests of the ant *Lasius fuliginosus* Latr. From Britain and Sweden to Yugoslavia.

**Spalangia erythromera** Förster, 1850

CRG: Žabljak district [Bouček, 1963a].

Parasite of Muscidae of the genera *Pegomya* and *Phobia*, also reared from a *Lonchaea* species (Dipt., Lonchaeidae); often found associated with dung flies. Whole Europe.

**Spalangia fuscipes** Nees, 1834

HRV: Krapina (Hensch).

Reared from puparia of *Oscinella frit* L. (Dipt., Chloropidae). Continental Europe to Transcaucasia and North Africa.

**Spalangia nigra** Latreille, 1805

HRV: Krapina, 14. VIII. 1916 (Hensch). — SRB: Ruma [Bouček, 1963].

Parasite of some Muscidae (incl. *Musca domestica* L., *Stomoxys calcitrans* L.), Anthomyiidae and Trypetidae. Holarctic in distribution.

**Spalangia nigripes** Curtis, 1839

HRV: Varaždin, 8. V. 1942 (Koščec); Krapina [Bouček, 1963a]. — BH: Kobilja Glava [Bouček, 1963a].

Parasite in puparia of Muscidae (*Fannia* spp. *Musca domestica* L.) and Calliphoridae (*Lucilia* spp.). Europe, Near East, Central Asia, North America.

**Spalangia rugulosa** Förster, 1850

HRV: Krapina [Bouček, 1963a]. — SRB: Ruma and Beograd [Bouček 1963a].

Reared from *Muscina stabulans* Fall. (Dipt., Muscidae). From Britain to Uzbekistan, not common.

**Spalangia subpunctata** Förster, 1850

SRB: Ruma [Bouček, 1963a]. — CRG: Žabljak district [Bouček, 1963a].

Parasite of synanthropic flies, e. g. of the genera *Syritta*, *Physiphora*, often associated with sheep or cattle droppings in pastures. Europe, North Africa, Central Asia.

**Spalangiopelta dudichi** Erdös, 1956

SRB: Srebrnac, Kopaonik, 25. IV. 1953 (Janković).

Host unknown. Previously recorded from Czechoslovakia, Hungary and Moldavian SSR.

**Sphaeripalpus fuscipes** (Walker, 1833) (= *Gitognathus fuscipes*)

HRV: Krapina, 16. VII. 1914 (Hensch).

Parasite of Agromyzidae (Dipt.), but so far no reliable host record is available. Widely distributed in Europe.

**Sphaeripalpus grandiclava** (Thomson, 1876) (= *Gitognathus g.*)

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI., 2. VII. 1958 (Bouček).

Probably parasitic on Agromyzidae. Mainly northern and central Europe.

**Sphaeripalpus laevigatus** (Delucchi, 1953) (= *Gitognathus l.*)

CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Host unknown. Recorded from Hungary.

**Sphaeripalpus laevis** (Delucchi, 1953) (= *Gitognathus* 1).  
HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).  
Reared from *Phytomyza solidaginis* Hend. (Agromyzidae) mining *Solidago virgaurea* L. Recorded from Britain and Hungary.

**Sphegigaster orobanchiae** Kurdjumov, 1912  
SRB: Deliblatska Peščara, ex *Orobanche cumana*, VIII. 1968 (Lekić).  
Reared from *Phytomyza orobanchiae* Kalt. (Agromyzidae, Dipt.). Recorded from central Europe and Ukraine.

**Sphegigaster pallicornis** (Spinola, 1808)  
SRB: Bajina Bašta, ex *Orobanche ramosa*, 27. VIII. 1968 (Lekić).  
Parasite of some *Phytomyza* spp. (Agromyzidae). Widely distributed in Europe.

**Sphegigaster stepicola** Bouček, 1965  
HRV: Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček).  
Reared from *Phytomyza albiceps* Meig. on *Cirsium arvense* L. Central and southern Europe to Algeria and Transcaucasia.

**Sphegigaster truncata** Thomson, 1878  
SLO: Postojna, 24. VII. 1958 (Coe).  
Host not known (probably Agromyzidae). Sweden, Czechoslovakia, Moldavian SSR, apparently widely distributed in Europe but little known.

**Spilomalus quadrinota** (Walker, 1835)  
HRV: Mali Lošinj, IX. 1964 (Mikula); Zadar, 30. VII. 1966 (Hoffer); Biograd n/m, VII. 1966, 1968 (Hoffer, Bouček). — CRG: Pistula, 15. VII. 1969 (Hoffer).  
Parasite of Curculionidae (Col.); reared from *Auletobius politus* Serv. in Sardinia and from *Anthonomus rubi* Herbst in Britain. Southern Europe up to Britain and Czechoslovakia.

**Spintherus dubius** (Nees, 1834)  
HRV: Zalesina, Gorski Kotar, 25. VI. 1965 and Biograd n/m, 10. VII. 1965 (Bouček). — SRB: Bukulja, 31. VIII. 1964 (Tadić); Morović, 5. VII. 1958 (Coe). — CRG: Žabljak district, VI. 1958 (Bouček); Morinj, Boka Kotorska, 7. VII. 1968 (Bouček); Bar, 18. VI. 1969 (Hoffer).

Parasite of *Apion* spp. (Curculionidae) in flowerheads of *Trifolium*. Palaearctic in distribution.

**Stenetra ligustica** Masi, 1931  
HRV: Biograd n/m, 10. VII. 1965, 14. VII. 1968 (Bouček).  
Host unknown. Recorded from Italy and Czechoslovakia.

**Stenomalina continua** (Walker, 1836)  
HRV: Krapina (Hensch).  
Reared from *Chlorops pumilionis* Bjerk. (Dipt., Chloropidae) developing in grasses. Widely distributed in Europe.

**Stenomalina favorinus** (Walker, 1839)  
HRV: Mali Lošinj, IX. 1964 (Mikula).  
Host unknown. British Isles, Czechoslovakia; species probably associated with vegetation on calcareous substrate.

**Stenomalina gracilis** (Walker, 1834) (= *muscarum* auct.)  
HRV: Krapina (Hensch). — SRB: Indija, VII. 1968 (Lekić). — CRG: nr. Žabljak, 25. VI. 1958 (Bouček).  
Common parasite of some Chloropidae and Agromyzidae (Diptera). Whole Europe.

**Stenoselma nigrum** Delucchi, 1956  
HRV: Zadar and Ssl. Ugljan, VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček); Isl. Korčula, V. 1955 (Coe). — BH: Neum, 8. VII. 1968 (Bouček). — MAK: Ohrid district, VI. 1958 (Coe), VI. 1966 (Königsmann); Prespa-Oteševvo, VI. 1955 (Coe); Mavrovo, 22. VI. 1966 (Königsmann); Novi Dojran, 8. VI. 1966 (Königsmann).

Parasite of some small beetles (e. g. Buprestidae) developing in shrubby vegetation. Countries of Mediterranean subregion up to Czechoslovakia.

**Stichocrepis armata** Förster, 1860  
HRV: Zadar, 24. VII. 1966 (Hoffer). — SRB: Cikerija Bačka, ex Geometrid pupa, 17. VI. 1952 (Bogavac); Grebenac, 29. VI. 1968 (Bouček); Morović, 3. VII. 1958 (Coe).

The mentioned rearing from a Geometrid is the first host record. Central and southern Europe.

**Stictomischus obscurus** (Walker, 1833)  
SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 2. and 6. VII. 1958 (Bouček).

Reared from *Pegohylemyia seneciella* Meade (Dipt. Anthomyiidae) developing in inflorescences of *Senecio jacobaea* L. Widely distributed in Europe.

**Stictomischus tumidus** (Walker, 1833)  
HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček).  
Host unknown (associated with oaks?). Widely distributed in Europe.

**Stinoplus etearchus** (Walker, 1848)  
HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček). — MAK: Mavrovo, 22. VI. 1966 (Königsmann).

Parasite in galls of *Phanacis hypochoeridis* Kieff. (Hym., Cynipidae) on *Hypochoeris radicata* L. Widely distributed in Europe; also New Zealand (introduced).

**Stinoplus militaris** (Thomson, 1878)  
HRV: Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček). — SRB: Treska, Kopaonik, 13. VII. 1956 (Janković). — CRG: Borova Glava nr. Žabljak, 4. VII. 1958 (Dlabola).  
Host unknown. Sweden, Czechoslovakia, Moldavian SSR, Yugoslavia.

***Sturovia albitarsus*** (Walker, 1834)

HRV: Biograd n/m, 10. VII. 1965 (Bouček).

Reared from galls of *Andricus curvator* Hart. (Hym., Cynipidae) in Britain, otherwise found in Sweden and Czechoslovakia.

***Syntomopus incisus*** Thomson, 1878

SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).

Parasite of Agromyzidae (e. g. genus *Melanagromyza*) in *Arctium*, *Cirsium*, *Carduus* and similar plants. Widely distributed in Europe.

***Syntomopus incurvus*** Walker, 1833

SRB: Beograd-Košutnjak, 2. VIII. 1968 (Bouček).

Reared from two *Melanagromyza* spp. (Agromyzidae). From Sweden and Britain to Yugoslavia.

***Systasis annulipes*** (Walker, 1834) (= *clavicornis* Bouček)

CRG: Podgora nr. Žabljak, 2. and 6. VII. 1958 (Bouček).

Host unknown. From Britain to eastern Europe.

***Systasis encyrtoides*** Walker, 1834

HRV: Krapina (Hensch). — SRB: Beograd, ex »*Conchyliidea implicitans* Walk«. [CILB, 1963; host dubious]. — CRG: Žabljak district, VI. 1958 (Bouček).

Parasite of various Cecidomyiidae, e. g. of the genera *Dasyneura*, *Contarinia*. Common throughout Europe.

***Termolampa pinicola*** Bouček, 1961

HRV: Biograd n/m, 26. VII. 1966 (Hoffer).

Reared from *Evetria resinella* L. (Lep., Tortricidae) in shoots of *Pinus*. Central Europe, Yugoslavia, Spain (n. rec.).

***Thektogaster chrysis*** (Förster, 1861)

SLO: Triglav [Delucchi, 1955].

Host unknown (probably Agromyzidae). From Sweden to Yugoslavia.

***Thinodytes cyzicus*** (Walker, 1839)

SLO: Podkoren Pass, Karavanke Mts., 25. VII. 1936 (Enderlein); Postojna, VII. 1958 (Coe). — HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Deliblatska Peščara, incl. Rošljana, 28. VI. 1968, VIII. 1969 (Bouček, Lekić); Indija, VIII. 1971 (Lekić); Dubočica nr. Sjenica, IX. 1969 (Marović). — CRG: Žabljak district, VI. 1958 (Bouček).

Parasite of Agromyzidae. Widely distributed in Europe to Transcaucasia.

***Tomicobia promulus*** (Walker, 1840)

MAK: Nerezi nr. Skopje, 5. VI. and Popova Šapka, 24. VI. 1966 (Königsmann).

Parasite in adult Curculionidae (Col.), reared e. g. from *Otiorrhynchus ligustici* L. Widely distributed in Europe.

***Toxeuma fuscicorne*** Walker, 1833

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Reared from Agromyzidae developing in seeds of grasses, e. g. *Arrhenatherum* spp. Widely distributed in northern and central Europe.

***Trichomalus campestris*** (Walker, 1834)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 and Biograd n/m, VII. 1965 (Bouček). — SRB: Ruma (Hensch); Beograd-Košutnjak, 2. VIII. 1968 (Bouček). — BH: Glogovac, ex *Apion loti* Kby. on *Lotus*, 15. VIII. 1969 (Batinica). — CRG: Bar, 18. VI. 1969 (Hoffer).

Parasite of various *Apion* spp. (Col., Curculionidae), mainly of the species developing in flowerheads of *Trifolium*. Whole Europe.

***Trichomalus inops*** (Walker, 1835)

CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Probably also parasitic on some *Apion* spp. (Curculionidae) in flowerheads of *Trifolium*. Widely distributed in Europe, not common.

***Trichomalus rufinus*** (Walker, 1835)

BH: Ledénica, Blaška, Derventa and Palackovec, ex *Apion loti*, VIII. 1969 (Batinica). — SRB: Debrč, ex *A. loti*, VIII. 1976 (Tanasijević).

Parasite of *Apion loti* Kby. in inflorescences of *Lotus corniculatus* L. and probably of similar species. Widely distributed in Europe.

***Trigonoderus cyanescens*** (Förster, 1841)

HRV: Krapina, 13. VII. (Hensch); Vinica nr. Varaždin and Zalesina, Gorski Kotar, VI. 1965 (Bouček); Karlobag (Hensch); Biograd n/m, 13. VII. 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. and Bukulja, 27. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 26. VI. 1958 (Bouček).

Parasite of xylophagous beetles. Widely distributed in Europe.

***Trigonoderus filatus*** Walker, 1836

HRV: Krapina, 2. VI. 1915 (Hensch).

Parasite of xylophagous beetles, e. g. of *Pogonochaeus hispidus* L. (Cerambycidae). From Sweden to Yugoslavia.

***Trigonoderus princeps*** Westwood, 1832

SLO: Postojna, 13. VII. 1958 (Coe). — HRV: Varaždin (Košec); Krapina (Hensch).

Parasite of xylophagous beetles, reared e. g. from *Scolytus ratzeburgi* Jans. (Scolytidae) and *Parmena balteus* L. (Cerambycidae). In European forests, to Caucasus.

***Trigonoderus pulcher*** Walker, 1836

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak 2. VII. 1968 (Bouček).

Parasite of some xylophagous Coleoptera. Widely distributed in Europe but little known.

***Trimicrops claviger*** Kieffer, 1906

HRV: Dubrovnik [Kieffer, 1907, 1914; as ssp. *claviger* and *abdominalis*; Ragusa], 2. V. 1927 (Fodor, Budap. Mus.); Kaštela Novi, Solin, 1927 (Fodor). — BH: Drieno [Kieffer, 1907, as var. *dorsalis*; 1914, as ssp. *abdominalis*]; Mostar (Matzenauer); Trebević nr. Sarajevo, 1500 m, 11. V. 1929 (Fodor); Plasa Mts., VIII. 1931 (Fodor).

Host unknown (probably some beetles in soil). From Italy to Rumania and Turkey.

**Tritneptis lophyrorum** (Ruschka, 1915)

CRG: Žabljak district, 25. VI. 1958 (Bouček).

Parasite in cocoons of *Diprion pini* L. (Hym., Diprionidae), a pest of pines. Widely distributed in Europe, also North America.

**Urolepis maritima** (Walker, 1834)

CRG: Šasko Lake, 14. VII. and Ulcinj, 7. VII. 1969 (Hoffer).

Parasite of Diptera in halophilous habitats, e. g. of *Ephydria riparia* Fall. (Ephydriidae) and *Themira putris* L. (Sepsidae). Mainly on the coasts of Europe, less common inland.

## PERILAMPIDAE

**Chrysolampus thenae** (Walker, 1848)

HRV: Gruž [Ruschka, 1924, as *Elatus th.*, Gravosa]. — SRB: Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček). — CRG: Tara Canyon nr. Žabljak, 6. VII. 1958 (Bouček). — MAK: Mavrovo, 23. VI. 1966 (Königsmann).

Parasite of *Meligethes* spp. (Col., Nitidulidae). Widely distributed from Britain to western Siberia (USSR).

Two other *Chrysolampus* species were recorded from Triest (= Trst) [Ruschka, 1924].

**Chrysomalla roseri** Förster, 1859

JUGOSL: [Bouček, 1972a]. — SRB: Rošijana and Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček).

Rearred from *Tychius flavus* Beck. (Col., Curculionidae). From West Germany to Ukraine, also Azerbaijan and Kazakhstan (USSR).

**Perilampus aeneus** (Rossius, 1790)

HRV: Krapina (Hensch). — SRB: Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček); Dobra Voda, Goč, 30. VI. 1968 (Bouček); Požarevac; Niš. — BH: Renovica.

Parasite (probably secondary) of *Athalia colibri* Christ (Hym., Tenthredinidae), also recorded from *Lixus junci* Boh. (Col. Curculionidae). Whole Europe, to Central Asia.

**Perilampus auratus** (Panzer, 1798)

HRV: Varaždin (Koščec); Krapina (Hensch); Split [Mayr, 1905].

Hyperparasite in pupae of some Lepidoptera, via Tachinidae (Dipt.). Mainly southern Europe but up to Sweden and the Caucasus.

**Perilampus chrysonotus** Förster, 1859

SRB: Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček).

Host unknown. From France to Czechoslovakia, Hungary and Yugoslavia.

**Perilampus eximius** Masi, 1932

HRV: Krapina (Hensch).

Host unknown (probably Sphecidae, Hym.). Recorded from France, Italy, Czechoslovakia, Hungary and Tajikistan (Central Asia).

**Perilampus intermedius** Bouček, 1956

HRV: Biograd n/m, 13. VII. 1965 (Bouček).

Host unknown. Species recorded from Finland, Germany and Czechoslovakia.

**Perilampus laevifrons** Dalman, 1822

JUGOSL: [Kerrich, 1958]. — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček).

Parasite (primary) in pupae of *Chrysopa* spp. (Neuropt., Chrysopidae). Widely distributed in Europe, east as far as Mongolia.

**Perilampus micans** Dalman, 1822

HRV: Krapina (Hensch); Sveti Rok, 29. VI. 1965 (Bouček).

Parasite of some xylophagous beetles, reared e. g. from *Lyctus linearis* Gze. (Lyctidae). From Britain and Sweden to Transcaucasia.

**Perilampus minutalis** Steffan, 1952

HRV: Biograd n/m, VII. 1965 (Bouček).

Probably a secondary parasite of some Lepidoptera. Recorded from France and Italy, found also in Spain (n. rec.).

**Perilampus neglectus** Bouček, 1956

HRV: Isl. Ugljan, 20. VII. 1966 (Hoffer); Biograd n/m, VII. 1965, 1968 (Bouček).

Secondary parasite of some Lepidoptera, e. g. *Acrobasis* spp. (Pyralidae), *Semasia profundana* F. and *Cacoecia* spp. (Tortricidae), *Tachyptilia disquei* Meess. (Gelechiidae) via Braconidae or Ichneumonidae. From Italy to Moldavian SSR, more easterly than the preceding species.

**Perilampus nitens** Walker, 1834

SLO: Gorica (Hensch). — HRV: Krapina (Hensch); Zlatar. — MAK: Mavrovo, 22. VI. 1965 (Königsmann).

Hyperparasite of some Lepidoptera via Tachinidae (Dipt.). Palaearctic in distribution.

**Perilampus polypori** Bouček, 1971

HRV: Krapina [Bouček, 1971a].

Hyperparasite of Raphidiidae (Neuropt.) via Ichneumonidae. Britain, central Europe.

**Perilampus ruficornis** (Fabricius, 1793)

HRV: Krapina (Hensch); Popovača; Vel. Ravnik; (?) Bada. — SRB: Beograd and Sikara, ex Tachinids *Carcelia excisa* Fall., *Zenilia libatrix* Panz. and *Phorocera agilis* Rob. [CILB, 1961]; Ada Huja nr. Beograd, ex *Lymantria dispar* via Tachinidae [Sisojević, 1953; Vasić & Salatić, 1959]; Mladenovac, ex *L. dispar* [Sisojević, 1953].

Hyperparasite of various Lepidoptera Geometridae, Lymantriidae, Tortricidae, Noctuidae, etc., via Tachinidae, their primary parasites. From Britain to Japan.

**Perilampus tristis** Mayr, 1905

HRV: Krapina (Hensch). — SRB: ?Beograd district, ex *Ascogaster* sp. in *Laspeyresia pomonella* L. [Tadić, 1957].

Hyperparasite of some Lepidoptera Tortricidae, e. g. *Lasp. pomonella*, *Rhyacionia buoliana* Schiff., etc., via their primary parasites, mainly Braconidae. Holarctic in distribution.

EUCHARITIDAE

**Eucharis adscendens** (Fabricius, 1787)

HRV: Varaždin, 23. VI. 1918 (Koščec); Bakar (Budap. Mus.); Gruž, ex *Messor barbarus* L. [Fahringer & Tölg, 1912]. — SRB: Subotica, 23. VI. 1939 (Taubert). — BH: Kalamata.

Parasite of ants of the genera *Formica*, *Messor*. Southern and central Europe, to Transcaucasia.

**Eucharis carinifera** Gussakovskij, 1940

SRB: Grebenac, 29. VI. 1968 (Bouček).

Host ant not known. Ukraine (n. rec.), Central Asia, Transcaucasia, Iran.

**Eucharis hyalinipennis** Hoffer & Nowicky, 1954

HRV: Dalmatia [Hoffer & Nowicky, 1954] (probably misidentification of the following species).

Host unknown. Described from one male from Bohemia.

**Eucharis shestakovi** Gussakovskij, 1940

HRV: Biograd n/m, VII. 1968 (Bouček). — MAK: nr. Titov Veles, 25. VII. 1965 (Exped. Mus. Leiden).

Host ant unknown. Recorded from Hungary (as *E. reticulata* Ruschka), Rumania, southern Volga region in USSR and Tajikistan.

**Psilogastrellus punctatus** (Förster, 1859)

HRV: Dubrovnik-Gruž, ex *Messor barbarus* L. [Fahringer, 1922; Ruschka, 1924, as *Eucharis punctata*]. — MAK: Ohrid, 5. VII. 1965 (Königsmann).

Reared as parasite of the mentioned ant species. Distributed in the Balkan Peninsula, Asia Minor and (?) Tunisia.

**Stilbula cyniformis** (Rossius, 1792)

HRV: Krapina, 31. VII. — 11. VIII. (Hensch); Rijeka (Goidanich); Bakar, 28. VIII. 1903 (Biró); Novi [Mocsáry, 1897, as *Eucharis cynipiformis*]; Biograd n/m, VII. 1965, 1968 (Bouček); Ploče, VII. 1966 (Hrubant); Dubrovnik with Gruž and Lapad, ex *Camponotus maculatus sanctus* For. [Fahringer & Tölg, 1912; Fahringer, 1922; Rrschka, 1924], VIII. 1923 (Rambousek). — BH(?) Dozmanovići. — MAK: Ohrid, 4. VII. 1965 (Königsmann).

Parasite of some ants, e. g. of the genus *Camponotus*. Southern Europe up to Czechoslovakia and east to Azerbaijan.

EUPELMIDAE

**Anastatus bifasciatus** (Geoffroy, 1785) (= *bifasciatus* Fonscolombe).

HRV: Krapina (Hensch); Spačva nr. Vinkovci, VI. 1965 (Bouček); Isl. Cres, ex *Thaumatopea pityocampa* Schiff. [CILB, 1963]; Biograd n/m, VII. 1965, 1968 (Bouček); Isl. Korčula, V. 1955 (Coe). — SRB: Beograd and Zemun, ex *Stilpnobia salicis*, 29. VIII. 1964 (Vasić), ex »cocoon of *Meteorus* sp. (dubious), 4. IX. 1964 (Vasić), ex *Eurygaster* sp. [OILB, 1971]; Leskovac, ex *Malacosoma neustria* eggs [OILB, 1971]. — BH: Sutorina, 16. VI. 1911 (Spaney-Schumacher); Ljubuški nr. Mostar (Marović). — CRG: Sutomore, 6. VII. 1968 (Bouček).

Parasite in eggs of some Lepidoptera, less often in eggs of some Pentatomidae (Heteropt.). Central and southern Europe to Transcaucasia, probably still further east.

**Anastatus giraudi** (Ruschka, 1921)

HRV: Biograd n/m, 12. VII. 1968 (Bouček).

Host unknown. Mainly central and southern Europe, also recorded from Central Asia.

**Anastatus japonicus** Ashmead, 1904 (= *disparis* Ruschka)

JUGOSL. distribution [Čakar, 1952; Krnjačić, 1967]. — HRV: Slavonian forests [Kurir, 1943, 1944; Kovačević, 1949a, 1949b; Spaić, 1959]; Rastovica, Županja, Zagreb-Stupnik, Lipovljani and Bjelovar (Spaić); Dalmatia everywhere with *L. dispar*, also as hyperparasite via *Ooencyrtus pityocampae* [Kovačević, 1949a]; Isl. Hvar [CILB, 1960; Tadić, 1961; Salatić, 1963]. — SRB: Ada Huja and Jakovački Ključ [Vasić, 1958]; in altitudes up to 1600 m in Kopaonik Mts. [Vasić & Salatić, 1959; Tadić & Binčev, 1959]. — BH: [Georgijević, Luteršek, Fice & Vaclav, 1959; Vaclav, Georgijević & Luteršek, 1959; Bjegović, 1963, 1964b]; Lištica, Bileća, Mostar, Trebinje, Čapljina, Drvar, Bijeljina, Grab, and Ljubuški [Georgijević & Luteršek, 1966]. — MAK: [Tadić, 1959; Salatić, 1963; Bjegović, 1964a, 1964b]; Dojran district [Maksimović, Bjegović & Vasiljević, 1970]; Demir Kapija, Ohrid, Bogdanci, Dojran (Vasić).

Parasite in eggs of *Lymantria dispar* L.; the other records are probably incorrect. Southern Europe (up to Slovakia) and Japan, otherwise recorded from Central Asia; North America (introduced).

**Anastatus splendens** Nikolskaja, 1952

HRV: Biograd n/m, 19. VII. 1968 (Bouček).

Host unknown. Recorded from Tajikistan and Azerbaijan. The Yugoslavian specimen cannot be checked but at the time of the identification it was compared with Nikolskaja's material.

**Calosota acron** (Walker, 1848) (= *anguinalis* Ruschka)

HRV: Krapina (Hensch). — SRB: Ruma (Hensch).

Parasite of xylophagous beetles, but no definite host record available. From Britain to Czechoslovakia, Hungary and Yugoslavia, also recorded from the Crimea.

**Calosota aestivalis** Curtis, 1836 (= *vernalis* Auct.)

HRV: Krapina (Hensch).

Parasite of various xylophagous beetles as Scolytidae of the genera *Myelophilus*, *Scolytus*, Anobiidae (gen. *Hedobia*, *Ptilinus*), probably also Buprestidae. Widely distributed in Europe.

**Calosota grylli** Erdös, 1955

HRV: Biograd n/m, 12. — 14. VII. 1968 (Bouček); Dugi Otok, nr. Sali, 18. VII. 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček).

Probably parasitic on some *Tetramesa* spp. in grass stems, e. g. of *Chrysopogon gryllus* Trin. Hungary, Yugoslavia.

**Calosota lixobia** Erdös, 1946

HRV: Biograd n/m, 11. — 14. VII. 1965, 1968 (Bouček).

Reared from *Lixus cardui* Oliv. (Col., Curculionidae) developing in stems of *Onopordon acanthium* L. in Hungary; found also in Czechoslovakia.

**Calosota vernalis** Curtis, 1836 (= *aestivalis* Auct.)

HRV: Krapina (Hensch). — SRB: Ruma (Hensch); Devojački Bunar, 28. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite of xylophagous beetles, probably mainly of Anobiidae. Central and southern Europe.

**Calosota viridis** Masi, 1926

HRV: Isl. Ugljan, nr. Kali, 16. VII. 1966 (Hoffer); Biograd n/m, VII. 1968 (Bouček). — BH: Neum, 8. VII. 1968 (Bouček).

Parasite of *Tetramesa* spp. (Hym., Eurytomidae) in grass stems, probably also of some other grass dwellers. Southern Europe up to Czechoslovakia, also Tajikistan (Central Asia).

**Calymmochilus dispar** Bouček & Andriescu, 1967

HRV: Zadar district [Bouček & Andriescu, 1967]; Biograd n/m, 12. VII. 1968 (Bouček). — SRB: Raška, V. 1969 (Marović).

Host unknown. Spain (n. rec.), France, Italy, Yugoslavia, Bulgaria, Romania, Transcaucasia.

**Calymmochilus subnubilus** (Walker, 1872) (= *atratus* Masi)

HRV: Biograd n/m, 19. VII. 1968 (Bouček).

Host unknown. Recorded from Algeria, Corsica and Italy.

**Chirolophus eques** Haliday, 1862

HRV: Zadar, VII. 1966 (Hoffer); Biograd n/m, 11. VII. 1968 (Bouček).

Host unknown but a similar species (recorded as *Ch. eques!*) was reared in North Africa from Buprestidae (Col.) of the genera *Anthaxia* and *Acmaeodera* developing in *Acacia*. Widely distributed in the Mediterranean countries.

**Eupelmus aloysii** Russo, 1938 (= *suecicus* Hedqvist)

HRV: Krapina, 12. VI. 1924 (Hensch).

Parasite of Scolytidae (Col.). Apparently widely distributed in Europe but very local.

**Eupelmus annulatus** Nees, 1834 (= *spongipartus* Förster)

HRV: Krapina (Hensch); Istra, Poreč, ex oak gall, VI. 1970 (Quinlan); Pula, ex *Andricus lignicola* Hart., *A. polycerus* Hart., *Synergus umbraculus* Oliv. and *S. pallicornis* Hart. in Cynipid oak galls [Fahringer, 1922]; Biograd n/m, VII. 1965, 1968 (Bouček); Split, 1914 (Horváth). — SRB: Ruma (Hensch); ?Beograd, ex *Stilpnotia salicis*, 1. VI. 1968 (Vasić).

Host records include Cynipid gall-dwellers on oaks, cocoons and pupae of various Lepidoptera as well as of some other insects; probably a polyphagous species as the closely related *E. urozonus* Dalm. Widely distributed in the Palaearctic region.

**Eupelmus atropurpureus** Dalman, 1820

JUGOSL: ex *Cryptocephalus octacosmus* Bed. [Bouček, 1970c]. — HRV: Spačva nr. Vinkovci, 21. VI. 1965 and Biograd n/m, 12. VII. 1968 (Bouček). — SRB: Djevojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček). — BH: Suitorina, 16. VI. 1911 (Spaney—Schumacher).

Parasitic mainly on some insects developing in grass stems (including *Tetramesa* spp., Eurytomidae) and in exposed pupae or cocoons of various insects amongst grass. Widely distributed in Europe and in North America.

**Eupelmus cicadae** Giraud, 1871

HRV: Biograd n/m VII. 1965 (Bouček).

Parasite in eggs of *Cicada plebeja* Scop. and *Tettigia ornata* L. in stems of various herbaceous and shrubby plants. Widely distributed in the Mediterranean countries and Central Asia, but local.

**Eupelmus fulvipes** Förster, 1860

SRB: Valjevo and Čačak, ex *Lasioptera rubi* Heeg. [Simova-Tosić & Dobrivojević, 1966; OILB, 1971; dubious records!].

Recorded from the gall of *Perrisia bupleuri* Wachtl on *Bupleurum falcatum* L. but the taxonomic identity of this *Eupelmus* is uncertain. Recorded from central Europe and the Caucasus.

**Eupelmus fuscipennis** Förster, 1860

SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 26. VI. and 6. VII. 1958 (Bouček).

Host unknown. Recorded from central Europe and the European USSR.

**Eupelmus hartigi** Förster, 1841

HRV: Krapina, 8. VI. 1915 (Hensch); Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček).

Host unknown. Species recorded only from West and East Germany and Czechoslovakia.

**Eupelmus linearis** Förster, 1860

HRV: Biograd n/m, 17. VII. 1968 (Bouček); Split, 21. VII. 1914 (Horváth, Budap. Mus.). — SRB: Bukulja, 27. VI. 1968 (Bouček); Niš, IX. 1902 (Horváth).

Associated with Gramineae (recorded as parasite of Cecidomyiidae on *Agropyrum repens*). Widely distributed in southern and central Europe to Transcaucasia.

**Eupelmus microzonus** Förster, 1860

HRV: Rijeka, seeds *Salvia officinalis* [Ruschka, 1921a]; Lošinj, 1914 (Horváth). — SRB: Subotica, IX. 1938 (Taubert). — CRG: Zelenika, Boka Kotorska (Paganetti, Budap. Mus.). — MAK: Ohrid, ex *Fumea danielis*, V. 1959 Löberbauer, München St.-Samml.).

Common parasite of various insects, mainly in galls on oaks, less often of insects in grass stems, in seeds, small cocoons, etc. Whole Europe, North Africa, Central Asia.

**Eupelmus nubilipennis** Förster, 1860

HRV: Pula, Istra, ex *Omorgus borealis* Zett. in *Apterona crenulella* Brd. [Fahringer, 1922; dubious record].

Because of uncertain identity of this species all records need confirmation. Some of them may concern *E. annulatus* Nees instead, or even other species.

**Eupelmus popa** Girault, 1917

SRB: Rošljana, Deliblat. Peščara, 28. VI. 1968 (Bouček); Zemun, ex Cecidomyiid, 1949 (Nonveiller); Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Primary or secondary parasite of insects in grasses and other herbaceous plants, perhaps mainly of Cecidomyiidae associated with rice, *sorghum* and *Polygonum*. Southern half of Europe, India, some parts of Africa and North America (becoming cosmopolitan).

**Eupelmus rostratus** Ruschka, 1921

HRV: Krapina (Hensch). — CRG: Tara Canyon nr. Žabljak, 30. VI. 1958 (Bouček).

Reared from galls of *Biorhiza pallida* Oliv., *Aphelonyx cerricola* Gir. and two *Andricus* spp. (Hym., Cynipidae), but probably the actual hosts are eggs of Orthoptera deposited on Cynipid galls. Recorded from Czechoslovakia, Austria and Hungary.

**Eupelmus splendens** Giraud, 1871 (= *splendens* Bolívar, = *matranus* Erdös)

HRV: Karlobag, ex gall on *Acer campestre* L., VIII. 1893 (Biró, Budap. Mus.); Biograd n/m, VII. 1965 (Bouček).

Parasite in galls on some trees, including oaks. Widely distributed in southern Europe.

**Eupelmus stramineipes** Nikolskaja, 1952 (= *velenceensis* Erdös)

HRV: Biograd n/m, 6. VII. 1965 (Bouček).

Host not known for certain but probably an insect on *Phragmites communis* (?Cecidomyiidae). South-eastern Europe including Czechoslovakia, also Central Asia.

**Eupelmus testaceiventris** (Motschulsky, 1863)

HRV: Biograd n/m [Bouček, 1970b].

Host not known. Apparently widespread in the Mediterranean countries (e. g. locally common in grassy vegetation in Spain — n. rec.), also in East and southern Africa, Near East and Ceylon.

**Eupelmus tibicinis** Bouček, 1963

HRV: Isl. Rab, Dundo forest, 1. VII. 1914 (Vienna Mus.); Biograd n/m, 11. VII. 1965, 12. VII. 1968 (Bouček).

Predator on eggs of the cicada *Tibicen haematodes* Scop. on twigs of various trees. Recorded from the Moldavian and Azerbaijan SSR (USSR).

**Eupelmus urozonus** Dalman, 1820

JUGOSL: ex *Dacus oleae* Gmel. [Baranov, 1939]; ex *Lasioptera rubi* Heeg. [OILB, 1971]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Varaždin (Košćec); Zagreb-Gračani, VI. 1965 (Bouček); Zalesina, Gorski Kotar, VI. 1965 (Bouček), ex *Pontania viminalis* L., IX. 1971 (Spaić); Pula, Istra, ex *Synergus pallicornis* Hart. [Fahringer, 1922]; Isl. Rab, ex *Myopites olivieri* Kieff. on *Inula viscosa* [Ruschka, 1921a]; Dalmatia, ex *Dahlbominus fuscipennis* Zett. in cocoons of *Neodiprion sertifer* [Morris, 1938]; Biograd n/m, VII. 1965, 1968 (Bouček). — BH: Sarajevo and Kijevo, ex oak galls. — SRB: Beograd, ex *Apanteles* sp.. VIII. 1968 (Vasić); Valjevo, Čačak, Kraljevo, Kruševac, Kučević-Krepoljin and Žagubica, ex *Parthenolecanium corni* and *Sphaerolecanium prunastri* [Mitić-Mužina, 1964, 1967]; Valjevo, ex *Lasioptera rubi* [Simova-Tošić & Dobrivojević, 1966]; Kikinda, ex *Apanteles* sp., VII. 1969 (Vasić); Ruma (Hensch), also ex *Meteorus* sp., 12. VI. 1968 (Vasić); Pančevo, ex *Lymantria dispar*, 17. VII. 1968 (Vasić); Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Žabljak district, VI. 1958 (Bouček).

Common and rather polyphagous species developing in pupae and cocoons of various insects and their primary parasites, also in wide variety of galls on trees as well as on herbaceous plants. Whole Europe, North Africa, Central Asia.

**Eusandalum flavipenne** Ruschka, 1921

HRV: Krapina [Bouček, 1967]; Split [Ruschka, 1921a, as *Polymoria dalmatica*; Bouček, 1967].

Reared from two species of *Agrilus* (Col., Buprestidae) developing in twigs of oaks and some other trees. From Spain and Germany to the Volga region in USSR.

**Eusandalum inerme** Ratzeburg, 1848

HRV: Krapina [Bouček, 1967].

Parasite of various xylophagous beetles, mainly of Anobiidae (*Ernobius*, *Ptilinus*), Buprestidae (*Anthaxia*), Scolytidae, Lyctidae, some Cerambycidae. Southern and central Europe.

**Eusandalum merceti** (Bolívar, 1926)

JUGOSL: [Bouček, 1967]. — HRV: Krapina (Hensch); Biograd n/m, 11. — 14. VII. 1968 (Bouček).

Reared from *Scolytus multistriatus* Marsh. (Scolytidae) and *Agrilus* sp. (Buprestidae) in *Vitis* twigs. Southern Europe up to Czechoslovakia, also Tajikistan in Central Asia.

**Macroneura falcata** (Nikolskaja, 1952)

HRV: Biograd n/m, 13. and 17. VII. 1968 (Bouček).

Host unknown. From southern France through southern Europe (up to Slovakia) including Moldavian SSR and Ukraine to Transcaucasia and Central Asia.

**Macroneura muellneri** (Ruschka, 1921)

HRV: Mali Lošinj, ex *Myopites olivieri* Kieff. on *Inula viscosa* [Ruschka, 1921a, as *Eupelmus muellneri*], IX. 1964 (Mikula); Zadar, 24. VII. 1966 (Hoffer); Biograd n/m, VII. 1965, 1968 (Bouček); Dugi Otok, nr. Sali, 18. VII. 1968 (Bouček); Dubrovnik, VIII. 1906 (Horváth).

Described from galls of the mentioned Cecidomyiid, reared also from galls of other Cecidomyiidae on shrubby and herbaceous vegetation. Widely distributed in the Mediterranean countries.

**Macroneura seculata** (Ferrière, 1954)

HRV: Lošinj, 1914 (Horváth); Biograd n/m, VII. 1965, 1968 (Bouček). — MAK: Vodno nr. Skopje, 31. V. 1966 (Königsmann).

Host unknown. Widely distributed in the Mediterranean countries, including Spain (n. rec.), southern France, Italy, also found in Azerbaijan.

**Macroneura vesicularis** (Retzius, 1783)

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zagreb-Gračani, 18. VI. 1965 (Bouček); Zalesina, Gorski Kotar, VI. 1965 (Bouček); Pula, ex *Synergus heynanus* Ratz. [Fahringer, 1922]; Isl. Rab, ex *Myopites olivieri* Kieff. on *Inula viscosa* [Ruschka, 1921a]; Biograd n/m and Dugi Otok, Sali, VII. 1968 (Bouček); Isl. Korčula, V. 1955 (Coe); Metković, ex *Aylax salviae* Gir. [Ruschka, 1921a]. — SRB: Deliblat, Peščara, incl. Devojački Bunar, Rošljana and Grebenac, VI. 1968 (Bouček); Maljen, ex cocoon *Diprion pini* L. [Vasić & Sisojević, 1955]; Sićevačka Klisura, ex *Gymnetron* sp. gall on *Linaria dalmatica*, 1970 (Bogavac); Valjevo, ex (?) *Agrilus rubicola* Ab. [OILB, 1971]. — MAK: Ohrid, 26. VI. 1966 (Königsmann).

Almost polyphagous parasite attacking wide variety of insects in galls, grass stems, in cocoons or bags, etc. Now Holarctic in distribution (but in North America probably introduced).

**Merostenus excavatus** (Dalman, 1820)

MAK: River Babuna valley, 10. VI. 1966 and Saraj nr. Skopje, 11. VI. 1966 (Königsmann).

Reared from *Phytonomus variabilis* Herbst (Col., Curculionidae) but certainly attacks some other hosts as well. Widely distributed in Europe.

**Metapelma nobile** (Förster, 1860)

HRV: Krapina (Hensch).

Parasite of xylophagous beetles; reared e. g. from *Hedobia pubescens* F. (Anobiidae) in twigs of *Loranthus* and from *Agrilus roscidus* Kiesw. in *Amygdalus* twigs. Recorded from Germany, Czechoslovakia, Moldavian SSR and the Caucasus.

**ENCYRTIDAE**

**Adelencyrtus aulacaspidis** (Brèthes, 1914)

SLO(?): Gorica, ex *Aulacaspis rosae* Bch. [Ruschka & Fulmek, 1915; as *Habrolepis myri*]. — HRV: Ugljan [Hoffer, 1970d].

Parasite of various Coccids of the family Diaspididae. Central and southern Europe, Japan, Madagascar, North and South America.

**Aenasioidea ?hispanica** Mercet, 1921

HRV: Biograd n/m [Hoffer, 1970d].

Parasite of Coccids, e. g. of the genera *Kermococcus* and *Unaspis*. Recorded also from Spain, France and Italy.

**Ageniaspis fuscicollis** (Dalman, 1820)

HRV: ?Dalmacija, ex *Prays oleellus* F. [Tominić, 1958]; Ugljan and Biograd n/m [Hoffer, 1970d]. — SRB: Beograd district, ex *Yponomeuta malinella* Zell. [Vukasović, 1927a, 1928d, 1929b, 1933a]; Ralja, ex *Ypon. malinella* [Bogavac, 1964]. — BH: District of Mostar, Sarajevo and Kalinovnik, also eastern Herzegovina, ex *Ypon. malinella* and *Y. padella* [Vaclav, 1958].

Polyembryonic egg-larval parasite of some small Lepidoptera, mainly of *Yponomeuta* spp. Holarctic, but recorded also from some other parts of the world (?introduced).

**Amaurilyna brevicorne** (Dalman, 1820)

CRG: Šasko jezero [Hoffer, 1976].

Host not yet known. Distributed mainly in northern Europe, down to northern Italy and Yugoslavia.

**Aminellus areolatus** (Walker, 1872)

CRG: Ulcinj [Hoffer, 1976].

Parasite in pupae of Coccinellidae. Widely distributed in the Mediterranean subregion.

**Anabrolepis zetterstedtii** (Westwood, 1837)

HRV: Zagreb-Gračani [Hoffer, 1976]; Biograd n/m [Hoffer, 1976].

Parasite of various Diaspididae on trees. Palaearctic.

**Anagyrus bouceki** Hoffer, 1953.

HRV: Zagreb-Gračani [Hoffer, 1970d].

Reared from unidentified Pseudococcidae. Italy to Czechoslovakia and Ukraine, also the Far East (Ussuri) region of USSR.

**Anagyrus diversicornis** Mercet, 1921

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d].

Parasite of Coccids. Southern Europe to Central Asia.

**Anagyrus matritensis** (Mercet, 1921)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]; Orebić [Hoffer, 1976].

Parasite of Pseudococcidae. Europe, except the north.

**Anagyrus pseudococci** (Girault, 1915)

HRV: Ugljan and Biograd n/m [Hoffer, 1970d]. — CRG: Durmitor Mts. [Hoffer, 1970, 1970d; as *A. pseudococci novickyi*].

Parasite of *Planococcus citri* Risso, less frequently of some other Pseudococcidae. Widely distributed in southern Europe and Central Asia, also in Hawaii, Argentina, etc. (?introduced).

**Anagyrus schoenherri** (Westwood, 1837)

CRG: Ulcinj [Hoffer, 1976].

Parasite of various Coccids, mainly of the genera *Phaenococcus*, *Pulvinaria*, *Eulecanium*. Palaearctic.

**Anagyrus spaici** Hoffer, 1970

MAK: Nerezi near Skopje [Hoffer, 1970d].

Host unknown. Recorded only from Yugoslavia.

**Anicetus annulipes** Timberlake, 1919

HRV: Ugljan [Hoffer, 1970d].

Parasite of Coccidae, mainly of *Pulvinaria* spp. Native in southern Asia, known in China, Japan, Hawaii, Australia and (introduced) in California.

**Anusia nasicornis** Förster, 1860

HRV: Zadar and Biograd n/m [Hoffer, 1970d].

Parasite of Pseudococcidae on Gramineae. Southern and central Europe to Transcaucasia.

**Aphidencyrtus aphidivorus** (Mayr, 1876)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — SRB: Beograd district, ex *Lysiphlebus dissolutus* Hal., *Ephedrus lacertosus* Hal., *Aphidius medicaginis* Marsh., *A. ervi* Hal., *A. cardui* Marsh., *A. sonchi* Marsh., [Vukasović, 1928d]; Deliblatska Peščara and Goč planina [Hoffer, 1976]. — CRG: Ulcinj district [Hoffer, 1976].

Hyperparasite of various Aphids through Aplidiinae. Mainly holarctic in distribution but reported also from elsewhere.

**Aphidencyrtus brevipes** Erdös, 1961

HRV: Spačva near Vinkovci [Hoffer, 1970a, 1970d].

Host still unknown but certainly some Psyllids or Aphids. Recorded only from Hungary and Yugoslavia.

**Aphidencyrtus jucundus** (Mercet, 1922)

CRG: Ulcinj [Hoffer, 1976].

Probably also a hyperparasite of Aphids. In Spain and Yugoslavia.

**Aphidencyrtus mamitus** (Walker, 1837)

SRB: Goč planina [Hoffer, 1976]. — CRG: Ulčinj district [Hoffer, 1976]. Hyperparasite of Aphids. Probably widely distributed in Europe but little known.

**Aphycoides clavellatus** (Dalman, 1820)

CRG: Pistula [Hoffer, 1976].

Parasite of Coccids of the genus *Physokermes*, mainly of *P. piceae* Schr. Widely distributed in the western Palaearctis.

**Aphytus aphycomorphus** (Mercet, 1925)

HRV: Ugljan and Zadar [Hoffer, 1970d].

Probably parasitic on Pseudococcidae. Recorded previously from Spain and Hungary.

**Aphytus hederaceus** (Westwood, 1837)

HRV: Split [Mayr, 1876].

Parasite of Pseudococcidae. Probably widely distributed in Europe but little known.

**Apterencyrtus eriococci** Ferrière, 1955

SRB: Goč planina [Hoffer, 1976].

Parasite of Eriococcidae, e. g. of the genera *Eriococcus* and *Gossyparia*. Palaearctic in distribution.

In 1965 Hoffer placed *A. eriococci* in synonymy under *Trichomasthus niveicus* Erdös, now he apparently changed his opinion (but has not explained it).

**Apterencyrtus lambinus** (Walker, 1838) (= *microphagus* Mayr)

HRV: Spačva near Vinkovci [Hoffer, 1970d]. — CRG: Podgora near Žabljak, 26. VI. 1958 (Bouček); Ulcinj district [Hoffer, 1976].

Secondary parasite of diaspidid Coccids. Palaearctic in distribution.

**Baeocharis pascuorum** Mayr, 1876

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976].

Parasite of Coccids of the genera *Eriopeltis* and *Luzulaspis* on Gramineac. Whole Europe.

**Blastothrix confusa** Erdös, 1957

SLO: Postojna, VII. 1958 (Coe). — CRG: Ulcinj district [Hoffer, 1976].

Primary parasite of *Parthenolecanium corni* Bouché, more rarely (if the records are correct) of some other Coccids on trees. Throughout the Mediterranean subregion and central Europe.

**Blastothrix sericea** (Dalman, 1820)

HRV: Senj [Erdös, 1957a]; Ilok, ex *Coccus persicae* F. [CILB, 1963]. — SRB: ?Beograd district, ex *Parthenolecanium corni* [Vukasović, 1932a, 1932b, 1933b]; Beograd, Sremski Karlovci, Valjevo, Čačak, Kraljevo, Kruševac, Aleksinac, Kragujevac, Žagubica, ex *P. corni* [Mitić-Mužina, 1964]; Valjevo-Leskovica, ex *Sphaerolecanium prunastri* F. [Mitić-Mužina, 1967].

Parasite of various Coccids on trees; some older records need confirmation in the light of the recent recognition of several closely related species of *Blastothrix*. Whole Europe, Central Asia.

**Bothriothorax clavicornis** (Dalman, 1820)

CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite in puparia of Syrphidae, e. g. of *Syrphus vitripennis* Meig. Widely distributed in Europe.

**Bothriothorax ghesquierei** Ferrière, 1956

CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of Syrphidae. Recorded also from France and Spain.

**Bothriothorax serratellus** (Dalman, 1820)

CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of Syrphidae. Widely distributed in Europe but little known.

**Boucekiella depressa** Hoffer, 1954

HRV: Biograd n/m [Hoffer, 1967, 1970d].

Parasite of the Coccid *Chaetococcus phragmitis* March. on *Phragmites*. Central and southern Europe to Transcaucasia, also in Afghanistan and Japan and (introduced) in the USA.

**Caenocercus puncticollis** Thomson, 1876

CRG: Durmitor Mts. [Hoffer, 1970d].

Recorded from galls of *Andricus caputmedusae* Hartig (Cynipidae) on oaks. Whole Europe, also Central Asia.

**Callipteroma sexguttata** Motschulsky, 1863 (= *quinqueguttata*

Motschulsky)

HRV: Novi [Erdös, 1957a, 1964a]; Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]; Kutina [Erdös, 1964a].

No definite host record but one species of *Callipteroma* was reared in Japan from mealybugs (Pseudococcidae). Throughout southern Europe from Portugal to Central Asia, also southeastern Asia, Japan, etc.

**Calocerinus slovacus** (Hoffer, 1953)

SRB: Deliblatska Peščara [Hoffer, 1976].

Host unknown. Southern and central Europe to Transcaucasia.

**Cerapterocerus mirabilis** Westwood, 1833

HRV: Rab [Erdös, 1957a]; Ugljan, Zadar and Spačva nr. Vinkovci [Hoffer, 1970d]. — SRB: [Vukasović, 1933b]; Vrgnac, ex *Parthenolecanium corni* [Vukasović, 1932a, 1932b]; Beograd, Kraljevo, Čačak, Aleksinac, Žagubica, ex *Parth. corni* [Mitić-Mužina, 1964]; Žagubica-Jošanica, Laznica, Kučević-Krepoljin, Kragujevac, Slatina, Trstenik, Valjevo-Leskovica and Divčibare, Beograd-Rakovica, Sremski Karlovci-Gladnoš, ex *Sphaerolecanium prunastri* F. [Mitić-Mužina, 1967]; Goč planina [Hoffer, 1976]. — BH: Sarajevo. — CRG: Ulcinj district [Hoffer, 1976].

Common secondary parasite of various Coccidae, mainly on trees. Palaearctic in distribution.

**Cerapterocerus pilicornis** Thomson, 1876

HRV: Ugljan [Hoffer, 1970d].

Secondary parasite of Coccids, mainly on Gramineae. Probably whole Europe, also Far East (Ussuri) region of USSR.

**Cerchysius subplanus** (Dalman, 1820)

HRV: Novi [Erdös, 1957a]; Mali Lošinj, Ugljan and Biograd n/m [Hoffer, 1970d].

Rearred from *Chamaemyia juncorum* Fallén (Diptera on *Festuca ovina*). Palaearctic, widely distributed.

**Cercobelus jugaeus** Walker, 1837

CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of Psyllids on *Fraxinus*, adults mainly in spring. Widely distributed in northern and central Europe, less in the south.

**Chalcerinys erdoesi** Hoffer, 1970

HRV: Ugljan [Hoffer, 1970d].

Host unknown; species of this genus are parasites of Dryinidae (Hymenoptera) and through them hyperparasites of Homoptera Auchenorrhyncha. Yugoslavia.

**Chalcerinys notatifemur** Hoffer, 1976

CRG: Bar [Hoffer, 1976].

Host unknown. Species described recently from Yugoslavia.

**Charitopus fulviventris** Förster, 1860

HRV: Mali Lošinj, Ugljan, Zadar and Biograd n/m [Hoffer, 1970d, 1976].

— SRB: Deliblatska Peščara: Rošijana, 28. VI. 1968 (Bouček).

Host not known for certain. Distributed from Spain to the Far East region of USSR.

**Charitopus obscurus** (Erdös, 1946)

HRV: Zadar and Biograd n/m [Hoffer, 1970d]. — SRB: Deliblatska Peščara [Hoffer, 1976].

Host unknown. With the preceding species often on xerophilous vegetation; from Spain to central Europe and Transcaucasia, also found in Mongolia.

**Cheiloneurus claviger** Thomson, 1876

HRV: Ugljan and Biograd n/m [Hoffer, 1970d]. — SRB: Beograd, ex *Parthenolecanium corni* [Mitić-Mužina, 1964]; Valjevo, ex *P. corni* [CILB, 1963]; Goč planina [Hoffer, 1976]. — CRG: Ulcinj district [Hoffer, 1976].

Secondary parasite of various Coccidae. Widely distributed Palaearctic species.

**Cheiloneurus elegans** (Dalman, 1820)

HRV: Ugljan, Dugi Otok and Biograd n/m [Hoffer, 1970d]. — SRB: Deliblatska Peščara [Hoffer, 1976]. — MAK: Makedonski Brod [Hoffer, 1970d].

Secondary parasite of Coccidae. Widely distributed Palaearctic species.

**Cheiloneurus fulvescens** Hoffer, 1957

HRV: Biograd n/m [Hoffer, 1970d].

Apparently also a secondary parasite of Coccids (but no host records known). Europe except the north, to Tajikistan and Afghanistan.

**Cheiloneurus kollari** Mayr, 1876

HRV: Ugljan and Biograd n/m [Hoffer, 1970d].

Secondary parasite of Coccids, reared from *Planchonia arabis* Sign. (Asterolecaniidae). Central and southern Europe, including North Caucasus.

**Cheiloneurus paralia** (Walker, 1837) (= *formosus* Boheman)

HRV: Split [Mayr, 1876]; Dalmatia [Blattný & Novicky, 1926]; Biograd n/m [Hoffer, 1970d]. — SRB: Kruševac and Žagubica, ex *Parthenolecanium corni* [Mitić-Mužina, 1964]; Žagubica-Laznica, Kučev-Neresnica, Beograd-Rakovica, Sremski Karlovci-Gladnoš, Subotica-Palić, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967].

Secondary parasite of Coccidae and Eriococcidae. Southern countries of Palaearctic region, including Afghanistan and Mongolia.

**Choreia inepta** (Dalman, 1820)

HRV: Zalesina, Gorski Kotar [Hoffer, 1970d]; Gospic and Sveti Brdo in Velebit Mts. [Erdös, 1957a]. — BH: Prenj. — CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of *Lecanopsis formicarum* Newst., a Coccid on roots of Gramineae. Whole Europe, also Central Asia.

**Clausenia josefi** Rosen, 1965

HRV: Biograd n/m [Hoffer, 1970d, 1976].

Record from a *Planococcus* sp. (Coccid) on *Vitis vinifera* in Israel, recently found also in Sardinia.

**Coccidencyrtus azureus** (Mercet, 1921)

HRV: Biograd n/m [Hoffer, 1970d].

Host not known for certain, probably a Diaspidid Coccid. Widely distributed in southern Europe but little known.

**Coelopencyrtus arenarius** (Erdös, 1957)

SRB: Goč planina [Hoffer, 1976].

Gregarious parasite of solitary bees of the genus *Hylaeus* (= *Prosopis*). Widely distributed in Europe.

**Comperiella bifasciata** Howard, 1906

CRG: Šasko jezero [Hoffer, 1976].

Parasite of various Coccids (Diaspididae). Widely distributed in warmer parts of the Old World; introduced into America.

**Copidosoma ?ancharus** (Walker, 1837)

HRV: Spačva near Vinkovci [Hoffer, 1970d, 1976].

Polyembryonic parasite of Lepidoptera (as are all species of *Copidosoma*), but no host record published. Probably widely distributed in Europe.

**Copidosoma breviclava** Hoffer, 1970

MAK: Motel Mavrovo [Hoffer, 1970c, 1970d]; Ohrid and Popova Šapka [Hoffer, 1970d].

No host record available. Species found in Czechoslovakia, Yugoslavia, Bulgaria, Moldavian SSR and Ukraine.

**Copidosoma cyaneum** Hoffer, 1970

HRV: Zadar and Biograd n/m [Hoffer, 1970c, 1970d].

No host record available. Found in Czechoslovakia and Yugoslavia.

**Copidosoma flavomaculatum** (Ratzeburg, 1848)

CRG: Durmitor Mts. [Hoffer, 1970d].

Polyembryonic parasite of Lepidoptera, e. g. of *Blastodacna atra* Haw. Central Europe, Yugoslavia, also recorded from Mongolia.

**Copidosoma geniculatum** (Dalman, 1820)

SRB: Beograd [Hoffer, 1976].

Polyembryonic parasite of caterpillars, mainly of those developing in shoots of pine (*Pinus*). Widely distributed in Europe.

**Copidosoma gloriosum** (Mercet, 1917)

HRV: Biograd n/m [Hoffer, 1970d].

Host not known for certain. Described from Spain, also found in France (n. rec.).

**Copidosoma iracundum** Erdös, 1957

YUGOSL: [Hoffer, 1970c]. — CRG: Durmitor Mts. [Hoffer, 1970d].

Host unknown. Czechoslovakia, Yugoslavia, Rumania, also reported from Mongolia.

**Dicarnosis helena** Hoffer, 1953

SRB: Deliblatska Peščara [Hoffer, 1976].

No host record; one species of *Dicarnosis* reared from Pseudococidae. Southern Europe: Spain and France (both n. rec.), Italy, Yugoslavia, Hungary, Austria, Czechoslovakia.

**Dicarnosis superba** Mercet, 1921

HRV: Lumbarda (?) [Hoffer, 1976].

Host unknown; probably mealybugs, Pseudococcidae. Mediterranean.

**Dimocarsis hofferi** Graham, 1966

HRV: ?Senj [Erdös, 1957a; as *D. hemiptera*]; ?Breza nr. Bjelovar [Mocsáry, 1897; as *D. hemiptera*]; Biograd n/m [Hoffer, 1970d]. — SRB: ?Treska in Kopaonik Mts. [Janković, 1964; as *D. hemiptera*]. — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Records marked with »?« may concern the similar *D. hemiptera* (Dalman), a species reared from *Rhodania flava* Goux (Pseudococcidae), whilst the host of *D. hofferi* is not known. Central and southern Europe, also Central Asia.

**Discodes aeneus** (Dalman, 1820)

HRV: Opatija, ex *Asterolecanium fimbriatum* Ckll. on *Hedera helix* [Ruschka & Fulmek, 1915]; Crikvenica [Erdös, 1957a]; Ugljan and Biograd n/m [Hoffer, 1970d]. — SRB: Valjevo, ex *Parthenolecanium corni* Bch. [CILB, 1963]; Žagubica, ex *P. corni* [Mitić-Mužina, 1964]; Žagubica-Jošanica and Laznica, Kučev-Neresnica, Krepoljin, Kragujevac, Slatina, Kruševac-Makrašani,

Trstenik, Kraljevo-Ribare, Valjevo-Leskovica, Divčibare, Beograd-Rakovica, Sremski Karlovci-Gladnoš, Subotica-Palić, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967]. — CRG: Durmitor Mts., VI. 1958 (Bouček).

Parasite of various Coccids on trees. Some records are unreliable because until recently the *Discodes* species were often confused. For instance *Discodes coccophagus* (Ratzeburg, 1848) is now regarded as a parasite specific to *Sphaerolecanium prunastri* Fonsc. and some of the above records may actually concern this species. *D. aeneus* is probably distributed in whole Europe and southern Asiatic USSR, also in the Near East.

**Discodes encopiformis** (Walker, 1847) (= *cercopiformis* Auct.)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Bar [Hoffer, 1976].

Parasite of various Coccids on Gramineae. Distributed from Britain and the Canary Islands to Czechoslovakia and Yugoslavia.

**Doliphoceras belibus** (Walker, 1837)

HRV: Zagreb-Gračani and Spačva nr. Vinkovci [Hoffer, 1970d]. — SRB: Goč planina [Hoffer, 1976]. — CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of Coccids in vaginulae of Gramineae, but no host known for certain. Apparently Holarctic in distribution.

**Dusmetia ceballosi** Mercet, 1921

HRV: Biograd n/m [Hoffer, 1970d]. — SRB: Deliblatska Peščara, Rošljana, 28. VI. 1968 (Bouček).

Parasite of Pseudococcidae on grasses, e. g. of *Euripersia brevispina* Borchs. From Britain and Spain to Transcaucasia.

**Echthroplexiella obscura** (Hoffer, 1954)

SRB: Deliblatska Peščara [Hoffer, 1976].

Some *Echthroplexiella* were recorded as parasites of Eriococcidae. *E. obscura* is widely distributed in the Palaearctic region.

**Ectroma dalmatinum** Hoffer, 1970

HRV: Ugljan and Biograd n/m [Hoffer, 1970d].

Host unknown. Only Yugoslavia so far.

**Ectroma fulvescens** Westwood, 1833 (= *aeneiventre* Auct.)

SRB: Deliblatska Peščara [Hoffer, 1976].

Parasite of some Coccids in warmer grassy habitats but no definite host record available. Europe, to the Caucasus.

**Encyrtus infidus** (Rossius, 1790)

HRV: Krapina (Hensch); Spačva nr. Vinkovci [Hoffer, 1970d].

Primary parasite of various Coccids, mainly of the genus *Eulecanium*. Central and southern Europe to Transcaucasia, also Far East of USSR and some other parts of the world.

**Encyrtus lecaniorum** (Mayr, 1876)

HRV: Ugljan and Zadar [Hoffer, 1970d]. — CRG: Ulcinj district [Hoffer, 1976].

Parasite of various Coccids, e. g. of the genera *Coccus*, *Saissetia*, *Plano-coccus*, *Eulecanium*. In central Europe only in glasshouses, in southern Europe in outdoor conditions.

**Encyrtus swederi** Dalman, 1820

HRV: Krapina (Hensch); Spačva nr. Vinkovci [Hoffer, 1970d]. — SRB: [Vukasović, 1933b]; Beograd district [Vukasović, 1928c, 1928d, 1931a]. — CRG: Durmitor Mts. [Hoffer, 1976].

Parasite of Coccids, e. g. of *Pulvinaria betulae* L. Whole Europe, also Far East province of USSR.

**Ericydnus robustior** Mercet, 1921 (? = *aeneus* Nikolskaja)

HRV: Dugi Otok, Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976].

No host record. Little known species (the genus is under revision), probably widespread in Europe.

**Ericydnus sipylus** (Walker, 1837)

HRV: Zadar and Biograd n/m [Hoffer, 1970d].

In England reared from *Heterococcus pulverarius* Newst. (Pseudococcidae). Probably whole Europe.

**Eugahania fumipennis** (Ratzeburg, 1852)

HRV: Novi [Erdös, 1957]. — BH: Sutorina [Hoffer, 1970d]. — MAK: Skopje district [Hoffer, 1970d].

One species of the genus was reared from a Cicadellid but the host of *E. fumipennis* is not yet known. Europe (except north), Central Asia, Far East province of USSR, Japan.

**Eusemion cornigerum** (Walker, 1837)

HRV: Biograd n/m and Spačva nr. Vinkovci [Hoffer, 1970d]. — CRG: Pistula [Hoffer, 1976].

Secondary parasite of various Coccidae and Eriococcidae, mainly on trees (*Quercus*, *Prunus* etc.). A Palaearctic species.

**Geniaspidius nobilis** (Nees, 1834)

SRB: Beograd [Hoffer, 1976]. — CRG: Sutomore [Hoffer, 1976].

No host record is available for this common European species.

**Habrolepis dalmanni** (Westwood, 1837)

HRV: Biograd n/m and Spačva nr. Vinkovci [Hoffer, 1970d].

Parasite of various Coccids, Asterolecaniidae and Diaspididae. Widely distributed in Europe but records need confirmation because of taxonomic difficulties.

**Habrolepis italicica** Delucchi, 1965

CRG: Ulcinj district [Hoffer, 1976].

Parasite of Coccids of the genus *Asterolecanium*. Mediterranean.

**Habrolepis montenegrina** Hoffer, 1976

CRG: Ulcinj [Hoffer, 1976].

Host unknown. Recorded only from Yugoslavia.

**Habrolepis pascuorum** Mercet, 1921

HRV: Ugljan and Biograd n/m [Hoffer, 1970d]. — SRB: Kikinda, ex *Quadraspisiotus perniciosus* Comst. [CILB, 1960]; no locality [Tadić, 1960]. — CRG: Kolomza [Hoffer, 1976]. — MAK: Ohrid [Hoffer, 1970d].

Parasite of various Coccids including *Chrysomphalus dictyospermi* Morg. on citrus and *Aspidiotus ostreaeformis* Curt.; Mediterranean.

**Hazmburkia dimorpha** Hoffer, 1954

SRB: Deliblatska Peščara [Hoffer, 1976].

Larval parasite of Dryinidae (Hymenoptera), i. e. hyperparasite of Homoptera Auchenorrhyncha. Widely distributed in Europe.

**Holcothorax testaceipes** (Ratzeburg, 1848)

CRG: Sutomore [Hoffer, 1976].

Polyembryonic parasite of small leaf-mining caterpillars of the genus *Phylloonycter* (= *Lithocolletis*). Palaearctic in distribution.

**Homalotylus ephippium** (Ruschka, 1922)

HRV: Ugljan and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976].

Host unknown. Mainly in central and southern Europe.

**Homalotylus eytelweinii** (Ratzeburg, 1844)

HRV: Biograd n/m [Hoffer, 1970d]. — SRB: Bukulja [Hoffer, 1976]. — CRG: Ulcinj district [Hoffer, 1976].

Parasite of Coccinellidae; still little known. Probably most of Europe.

**Homalotylus flaminius** (Dalman, 1820)

HRV: Senj [Erdös, 1957a]; Ugljan and Biograd n/m [Hoffer, 1970d]. — SRB: Beograd [Hoffer, 1976]. — CRG: Durmitor Mts.; Ulcinj district [Hoffer, 1976].

Parasite of various Coccinellidae (as probably all *Homalotylus*). Cosmopolitan in distribution.

**Homalotylus nigricornis** Mercet, 1921

CRG: Ulcinj [Hoffer, 1976].

Host not yet known. Southern Europe.

**Homalotylus platynaspidis** Hoffer, 1963

HRV: Biograd n/m [Hoffer, 1970d].

Reared from the Coccinellid *Platynaspis luteorubra* Goeze. Czechoslovakia, Yugoslavia.

**Hoplopsis minuta** (Fabricius, 1793) (= *mayri* Destefani)

HRV: Senj [Erdös, 1957a]; Rab; Lopar, VI. 1937 (Inst. Ent. Turin); Lopud. — CRG: Durmitor Mts. [Hoffer, 1970d].

Reared from Coccids on roots of *Agropyrum*. Southern and central Europe, to Transcaucasia.

**Isodromus atriventris** Ashmead, 1900

HRV: Hvar [Erdös, 1957b].

Parasite of *Chrysopa* spp. (Neuroptera). North America; European records need confirmation.

**Leptomastidea bifasciata** (Mayr, 1876)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — SRB: Goč planina [Hoffer, 1976].

Parasite of Pseudococcidae. Throughout southern Europe to Central Asia.

**Leptomastidea ?matritensis** Mercet, 1916

HRV: Ugljan and Biograd n/m [Hoffer, 1970d]; as *L. sp. near matritensis*. Host not known for certain. Southern Europe.

**Leptomastix epona** (Walker, 1844)

HRV: Biograd n/m [Hoffer, 1970d]; Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Bukulja [Hoffer, 1976]. — CRG: Durmitor Mts. [Hoffer, 1970d]; Ulcinj district [Hoffer, 1976]. — MAK: Nerezi nr. Skopje [Hoffer, 1970d].

Reared e. g. from the Coccid *Spinococcus calluneti* Lind. Widely distributed in Eurasian regions with temperate climate.

**Leptomastix flava** Mercet, 1921

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976].

No host record. A Mediterranean species, previously recorded from Spain.

**Leptomastix ?histrio** Mayr, 1876

CRG: Novi Ulcinj [Hoffer, 1976].

Probably a parasite of mealybugs. Mediterranean.

**Litomastix agrotis** (Fonscolombe, 1832) (= *peregrina* Mercet)

HRV: Ugljan [Hoffer, 1970d].

Polyembryonic parasite of some Lepidoptera (as are all species of *Litomastix*), e. g. of *Pyrameis cardui* L. in Italy. Probably whole southern Europe, recorded also from western Siberia (USSR).

**Litomastix cervius** (Walker, 1846)

YUGOSL: [Hoffer, 1970b]. — HRV: Zagreb-Gračani [Hoffer, 1970d]. — CRG: Durmitor Mts. [Hoffer, 1970d].

Polyembryonic parasite of some caterpillars but little known, although certainly widely distributed in Europe.

**Litomastix intermedia** Mercet, 1921

CRG: Ulcinj district [Hoffer, 1976].

No host record available. Probably widespread in Europe (little known because of taxonomic difficulties).

**Litomastix sosares** (Walker, 1837) (= *pinicola* Mercet)

SLO: Postojna, VII. 1958 (Coe).

No host record. Widely distributed in Europe.

**Litomastix truncatella** (Dalman, 1820)

YUGOSL: ex *Autographa gamma* L. [Maceljski & Balarin, 1974]. — SLO: Postojna, VII. 1958 (Coe). — SRB: Goč planina [Hoffer, 1976]. — CRG: Pistula [Hoffer, 1976]. — MAK: Novi Dojran [Hoffer, 1970d]; Prespa, VI. 1958 (Coe).

Common polyembryonic parasite of various caterpillars. Mainly Holarctic but recorded also from other parts of the world.

**Mayrencyrtus laevis** Erdös, 1957

HRV: Biograd n/m [Hoffer, 1970d].

Parasite of Coccids, probably mainly on oaks. Widely distributed in western and southern Europe.

**Mayridia formosula** Mercet, 1921

HRV: Rab [Erdös, 1957b].

Parasite of Coccids of the family Pseudococcidae. Central and southern Europe to Central Asia.

**Mayridia myrlea** (Walker, 1838) (= *bifasciatella* Mayr)

HRV: Ugljan and Biograd n/m [Hoffer, 1970d].

Rerared from the Coccid *Trionymus perrisi* Sign. Throughout Europe, also found in Mongolia.

**Mayridia pulchra** Mercet, 1921

HRV: Novi [Erdös, 1957a and 1957b].

Parasite of Coccids on *Phragmites communis* in warmer parts of the Palaearctic region.

**Mercetencyrtus ambiguus** (Nees, 1834)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj district [Hoffer, 1976].

Host not known for certain but the species is distributed from Britain to the Far East province of USSR, also found in Afghanistan and Indonesia.

**Metaphycus dispar** (Mercet, 1925)

CRG: Bar and Ulcinj [Hoffer, 1976].

Parasite of Coccids. Mainly Mediterranean.

**Metaphycus fulvifrons** (Walker, 1837)

HRV: Biograd n/m [Hoffer, 1970d].

Parasite of some Pseudococcidae, e. g. of the genus *Eulecanium*; some earlier records need confirmation. Widely distributed in Europe.

**Metaphycus hirtipennis** Mercet, 1921

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj district [Hoffer, 1976].

Rerared from two *Kermococcus* species. Southern Europe and North Africa.

**Metaphycus nitens** (Kurdjumov, 1912)

HRV: Ugljan and Biograd n/m [Hoffer, 1970d].

Parasite of Eriococcidae on Gramineae, e. g. of *Eriococcus greeni* Newst. Probably mainly eastern Europe.

**Metaphycus parvus** Mercet, 1921

SRB: Valjevo, ex *Parthenolecanium corni* [CILB, 1963]; Beograd, Kruševac and Sremski Karlovci, ex *P. corni* [Mitić-Mužina, 1964].

Apart from the above host recorded also from *Eriopeltis* sp. Southern parts of the Palaearctic region.

**Metaphycus punctipes** (Dalman 1820)

HRV: Dalmacija [Hoffer, 1970d]; Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd, Valjevo, Čačak, Kraljevo and Kragujevac, ex *Parthenolecanium corni* [Mitić-Mužina, 1964]; Sremski Karlovci-Gladnoš and Beograd-Rakovica, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967].

Regarded as a parasite specialised on *Sphaerolecanium prunastri* Fonsc.; other records need confirmation when the taxonomy of the genus *Metaphycus* is more satisfactory. Widely distributed in Europe.

**Metaphycus zebratus** (Mercet, 1917)

HRV: Biograd n/m [Hoffer, 1970d].

Parasite of Eriococcidae on grasses, reared e. g. from *Eriopeltis agropyri* Borchs. Recorded from several countries of southern and central Europe, also found in the Far East province of USSR.

**Microterys aeneiventris** (Walker, 1837)

HRV: Biograd n/m [Hoffer, 1970d].

Host not known for certain. Britain, Czechoslovakia, Yugoslavia.

**Microterys duplicatus** (Nees, 1834)

SRB: Vranja [Erdös, 1957b].

Parasite of Coccids, mainly of *Pulvinaria betulae* L. Probably widely distributed in Europe, also found in the Caucasus (USSR).

**Microterys flavus** (Howard, 1881)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976].

Parasite of various Coccidae and Pseudococcidae. Widely distributed in warmer parts of the world.

**Microterys lunatus** (Dalman, 1820)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]; Split [Mayr, 1876].

— SRB: Žagubica district, Kragujevac distr., Trstenik, districts of Kraljevo, Beograd, Sremski Karlovci and Subotica, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967]; Beograd [Hoffer, 1976].

Parasite of various Coccids on trees. Whole Europe; also in North America.

**Microterys masii** Silvestri, 1919

HRV: Ugljan [Hoffer, 1970d]; Split-Sučurac, ex *Philippia oleae*, 15. VI. 1926 (Novak); Grohote, ex *Ph. oleae*, 30. VI. 1932 (Novak); Korčula, V. 1955 (Coe). — CRG: Ulcinj [Hoffer, 1976].

Common Mediterranean parasite of the Coccid *Philippia oleae* Costa.

**Microterys nikolskajae** Erdös, 1955

SRB: Deliblatska Peščara [Hoffer, 1976].

Host not known. In steppe habitats, Yugoslavia to Moldavian SSR.

**Microterys rufulus** (Mercet, 1921)

HRV: Ugljan [Hoffer, 1970d].

Reared from *Rhizopulvinaria* spp. in the Caucasus. From Spain to Central Asia.

**Microterys sugonjaevi** Trjapitzin, 1966 (= *pumilio* Hoffer)

HRV: Ugljan and Biograd n/m [Hoffer, 1970d (as *pumilio*), 1976].

Host unknown. Southern Europe, from Yugoslavia to the Caucasus.

**Microterys sylvius** (Dalman, 1820)

SRB: Valjevo and Čačak, ex *Parthenolecanium corni* [Mitić- Mužina, 1964].

Develops as predator on eggs under the body of the females of Coccids of the genera *Eulecanium* and *Parthenolecanium*. Whole Europe.

**Microterys tessellatus** (Dalman, 1820)

HRV: Crikvenica [Erdős, 1957a]; Spačva nr. Vinkovci [Hoffer, 1976]. — CRG: Durmitor Mts. [Hoffer, 1970d]. — MAK: Popova Šapka [Hoffer, 1970d].

Parasite of various Coccids, e. g. of the genera *Physokermes*, *Eulecanium*, *Lecanopsis*. Whole Europe.

**Mira mucora** Schellenberg, 1803 (= *macrocera* auct.)

HRV: Ugljan, Zadar and Biograd n/m [Hofer, 1970d]. — SRB: Deliblatska Peščara [Hoffer, 1976]. — CRG: Durmitor Mts. [Hoffer, 1976].

Host unknown; probably a Pseudococcid on grasses. Palaearctic.

**Mohelencyrtus ?acuminatus** Hoffer, 1969

HRV: Ugljan [Hoffer, 1970d].

Host unknown. *M. acuminatus* was recorded from Czechoslovakia and Bulgaria; the Yugoslav specimen is slightly different.

**Monodiscodes intermedius** (Mayr, 1876)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1970d]. — CRG: Ulcinj [Hoffer, 1976]. — MAK: Nerezi nr. Skopje [Hoffer, 1970d].

Reared from *Eriopeltis festucae* Fonsc., a Coccid on Gramineae. From Spain throughout southern Europe to Transcaucasia.

**Monodiscodes maculipennis** Hoffer, 1970

HRV: Biograd n/m [Hoffer, 1976]. — CRG: Ulcinj [Hoffer, 1976].

Host unknown. Species recorded from Bulgaria and Azerbaijan SSR.

**Monstranusia mirabilissima** Trjapitzin, 1964

SRB: Deliblatska Peščara [Hoffer, 1976].

Reared from a Pseudococcid. Recorded also from the Moldavian SSR, Soviet Central Asia, Afghanistan, Pakistan and South Africa.

**Neoprochiloneurus bolivari** (Mercet, 1919)

HRV: Mali Lošinj, Ugljan and Biograd n/m [Hoffer, 1970d].

Parasite of Coccids, e. g. of the genera *Pseudococcus*, *Phenacoccus* and *Planococcus*. From Britain to the Far East province of USSR.

**Oobius ?striatus** Annecke, 1967

CRG: Pistula [Hoffer, 1976].

Previously recorded from Rhodesia, reared from eggs of *Hyperechia marshalli* Aust. (Diptera, Asilidae).

**Ooencyrtus distinctus** (Mercet, 1921)

CRG: Pistula [Hoffer, 1976].

An egg parasite, but no definite host record available. Southern Europe, reported also from Mongolia.

**Ooencyrtus kuwanae** (Howard, 1910)

YUGOSL: ex *Lymantria dispar* [CILB, 1960]; »almost everywhere where *L. dispar*« [Bjegović, 1972]. — HRV: Trizlovi nr. Županja, IX. 1974 (Spač); Hvar [Krnjaić, 1967]. — BH: Grab, Ljubuški and Lištice [Georgijević & Luteršek, 1966]. — MAK: mainly southeastern districts including Štip, Radoviš and Strumica, ex *L. dispar* [Tadić, 1959; Tadić & Binčev, 1959; Vasić & Salatić, 1959; Bjegović, 1963; Krnjaić, 1967]; Dojran district [Maksimović, Bjegović & Vasiljević, 1970].

An egg parasite specialised to *Lymantria dispar* L. Originally described from Japan but now widely distributed in the Mediterranean countries with frequent outbreaks of the pest moth.

**Ooencyrtus pityocampae** (Mercet, 1921)

JUGOSL: ex *Thaumatopoea pityocampa* [CILB, 1963]. — HRV: Dalmacija, Primorje [Kovačević, 1947 and 1949]; Cres [Androić, 1957]; Split [CILB, 1960].

*O. pityocampae* seems to be a specific egg parasite of *Thaumatopoea pityocampa* Den. Schiff. Southern Europe and Turkey.

**Ooencyrtus telenomicida** (Vassiliev, 1904)

JUGOSL (mainly HRV): [Hoffer, 1970d]. — HRV: Mali Lošinj and Biograd n/m [Hoffer, 1976]. — CRG: Bar and Ulcinj [Hoffer, 1976]. — SRB: Deliblatska Peščara [Hoffer, 1976].

Mainly (or always?) hyperparasite in eggs of Pentatomidae, including the pest *Eurygaster integriceps* Put. Widely distributed in the Palaearctic region.

**Paracerapterocerus italicus** (Masi, 1917)

CRG: Budva [Hoffer, 1970d]; Ulcinj [Hoffer, 1976].

Parasite of *Ceroplastes rusci* L. (Coccidae). Southern Europe.

**Paralitomastix varicornis** (Nees, 1834)

HRV: Zagreb, ex *Anarsia lineatella*, 1. VIII. 1963 (Britvec). — CRG: Ulcinj district [Hoffer, 1976].

Polyembryonic parasite of caterpillars, mainly of *Anarsia lineatella* Zell. (Lep., Gelechiidae), a pest on peaches and apricots. From southwestern Europe to Central Asia.

**Paraphaenodiscoides jugoslavicus** Hoffer, 1976

SRB: Kopaonik planina [Hoffer, 1976].

Host unknown. Recorded only from Yugoslavia.

**Paraphaenodiscus jalusus** (Walker, 1837)

CRG: Durmitor Mts. [Hoffer, 1970d].

Probably a parasite of some Coccids. Recorded also from Britain, Czechoslovakia and Hungary.

**Paraphycus flavovarius** Mercet, 1921

HRV: Biograd n/m [Hoffer, 1976]. — CRG: Šasko jezero [Hoffer, 1976]. No host record available. From Spain to the Far East of USSR.

**Paraphycus vigil** Erdös, 1957

CRG: Durmitor Mts. [Hoffer, 1970d].

Host unknown. From southeastern Europe to the Far East of USSR.

**Parasyrpophagus lindus** Mercet, 1921

HRV: Ugljan and Biograd n/m [Hoffer, 1970d].

Parasite of *Rhizococcus obscurus* Borchs. (Eriococcidae) in Hungary, known also in Spain and Czechoslovakia.

**Pistulina albiclavata** Hoffer, 1976

CRG: Pistula [Hoffer, 1976].

No host record. Known only from Yugoslavia.

**Platencyrtus parkeri** Ferrière, 1955

HRV: Biograd n/m [Hoffer, 1967, 1970d].

Parasite of *Chaetococcus phragmitis* March., a Coccid on *Phragmites*. Distributed from Spain (n. rec.) throughout southern and central Europe to Daghestan (USSR).

**Prionomitus mitratus** (Dalman, 1820)

HRV: Ugljan [Hoffer, 1970d]. — CRG: Durmitor Mts. [Hoffer, 1970d]; Ulcinj district [Hoffer, 1976].

Parasite of Psyllidae, e. g. of *Psylla pyri* L. Widely distributed in Europe, also reported from Mongolia.

**Protyndarichus comara** (Walker, 1837)

HRV: Zadar and Biograd n/m [Hoffer, 1970d].

Parasite of Pseudococcidae on Gramineae. Europe, to Transcaucasia.

**Psyllaephagus cellulatus** Waterston, 1922

HRV: Ugljan [Hoffer, 1970d]. — CRG: Ulcinj district [Hoffer, 1976].

Parasite of Psyllidae. The species described from Iraq and still little known.

**Psyllaephagus pulchellus** (Mercet, 1921)

HRV: Ugljan, Zadar and Biograd n/m [Hoffer, 1976]. — CRG: Ulcinj district [Hoffer, 1976].

Reared from the Coccid *Anapulvinaria pistaciae* Bod. (on *Pistacia*). Widely distributed in southern Europe.

**Rhinoencyrtus malenottii** Mercet, 1918

HRV: Ugljan and Zadar [Hoffer, 1970d]. — CRG: Šasko jezero [Hoffer, 1976].

Host still unknown (probably on Gramineae). Widely distributed in southern Europe and some other warmer parts of the Old World.

**Rhopus brachytarsus** (Mercet, 1921)

HRV: Ugljan and Zadar [Hoffer, 1970d].

Host unknown (probably a Pseudococcid on grasses). Recorded from Spain, Yugoslavia and Hungary.

**Rhopus piso** (Walker, 1838)

HRV: Spačva nr. Vinkovci, Biograd n/m and Ugljan [Hoffer, 1970d].

Parasite of Pseudococcidae on grasses. Whole Europe.

**Sectiliclava cleone** (Walker, 1844)

CRG: Durmitor Mts. [Hoffer, 1970d].

Parasite of adult Psyllidae on various trees. Europe, except arid regions in the south.

**Subprionomitus cantabricus** Mercet, 1921

HRV: Ugljan [Hoffer, 1970d].

Reared from a Coccid of the genus *Eriopeltis*. Southern and central Europe, to Transcaucasia.

**Superprionomitus procerus** Mercet, 1921

HRV: Hvar [Erdös, 1957b].

Probably a parasite of Coccids. Recorded from Spain, England, Hungary and Yugoslavia. Trjapitzin classifies the species under *Mayridia* Mercet.

**Syrphophagus aeruginosus** (Dalman, 1820)

HRV: Biograd n/m [Hoffer, 1970d]. — SRB: Beograd district, ex *Syrphus* sp. and *Paragus* sp. [Vukasović, 1926d, 1928d]. — CRG: Durmitor Mts. [Hoffer, 1970d]. — MAK: Struga and Popova Šapka [Hoffer, 1970d].

Parasite in puparia of Syrphidae. Palearctic in distribution.

**Syrphophagus herbidus** (Dalman, 1820)

HRV: Biograd n/m [Hoffer, 1970d].

No host record; according to Hoffer it is a parasite of Coccids. Whole Europe, also Mongolia.

**Syrphophagus idmon** (Walker, 1848)

CRG: Durmitor Mts. [Hoffer, 1970d; as *Pseudencyrtus*].

Parasite of *Thecodiplosis brachyntera* Schwgr. (Dipt., Cecidomyiidae) on *Pinus* spp. Mainly northern and central Europe.

**Tetracnemus heydeni** (Mayr, 1876) (= *Anusiella heydeni*)

SRB: Deliblatska Peščara [Hoffer, 1976].

Host still unknown. Mainly central and southern Europe, also Central Asia.

**Tetracnemus pulchripennis** (Mercet, 1923)

HRV: Biograd n/m [Hoffer, 1970d, 1976].

Probably parasite of Pseudococcids. Europe, except the north, to western Kazakhstan (USSR).

**Thomsonisca amathus** (Walker, 1838) (= *typica* Mercet)

CRG: Durmitor Mts. [Hoffer, 1970d, 1976].

Parasite of various Diaspididae. Whole Europe, also Pakistan and India.

**Trichomasthus albimanus** Thomson, 1876

SLO: Gorica, Istra, ex *Parthenolecanium corni* on *Robinia* [Ruschka & Fulmek, 1915]. — HRV: Ugljan [Hoffer, 1970d]. — SRB: Valjevo, ex *P. corni* [CILB, 1963; Mitić-Mužina, 1964]; Beograd [Hoffer, 1976]. — CRG: Durmitor Mts. [Hoffer, 1970d]; Šasko jezero [Hoffer, 1976].

Parasite of various Coccidae and Eriococcidae, e. g. of the genera *Eriopeltis*, *Parthenolecanium*, *Eulecanium*, *Palaeolecanium*. Palaearctic in distribution.

**Trichomasthus cyaneus** (Dalman, 1820)

SRB: Beograd [Hoffer, 1976].

Host and distribution as the preceding species.

**Trichomasthus cyanifrons** (Dalman, 1820)

HRV: Opatija, Ugljan and Biograd n/m [Hoffer, 1970d]. — CRG: Sutomore [Hoffer, 1976].

Parasite of various Coccids, mainly of *Eriopeltis* spp. on Gramineae. Whole Europe, also North America (introduced).

**Trjapitzinellus ?obscurus** (Mercet, 1921)

HRV: Vinica nr. Varaždin, Spačva nr. Vinkovci and Biograd n/m [Hoffer, 1970d]. — CRG: Šasko jezero [Hoffer, 1976].

Recorded as a parasite in lepidopterous eggs on *Pinus* in Spain. Apparently more widely distributed but still little known.

**Tyndarichus kuriri** Fahringer, 1944

HRV: Rešetina forest near Belišće [Kurir, 1944].

Described as a hyperparasite in eggs of *Lymantria dispar* L. but never found again. An apparently similar species, *T. navae* Howard, is known as a hyperparasite in eggs of *L. dispar* in Japan. The type material of *T. kuriri* was not found in Zagreb where it was believed to be deposited.

**Tyndarichus melanacis** (Dalman, 1820)

CRG: Durmitor Mts. [Hoffer, 1970d].

Secondary parasite in eggs and larvae of Lepidoptera, reared e. g. from *Zeuzera pyrina* L. Whole Europe, also Central Asia.

**Waterstonia prima** Mercet, 1917

CRG: Novi Ulcinj [Hoffer, 1970d].

Parasite of some Coccids. Southern Europe. Sometimes classified under *Aphycus*; still little known.

**Zeteticontus centennalis** Erdös, 1956

HRV: Biograd n/m [Hoffer, 1970d].

Host unknown; species of *Zeteticontus* were reared as parasites of Nitidulidae (Coleoptera). Widely distributed in Europe, also the Far East province of USSR.

**Zeteticontus planiscutellum** Mercet, 1921

SRB: Goč planina [Hoffer, 1976]. — CRG: Šasko jezero [Hoffer, 1976]. — MAK: Rača nr. Ohrid [Hoffer, 1970d].

Host unknown. Europe except the north; also Central Asia.

## SIGNIPHORIDAE

**Chartocerus subaeneus** (Förster, 1878)

HRV: Biograd n/m, 26. VII. 1966 (Hoffer). — SRB: Rošljana, Delibl. Peščara, 28. VI. 1968 (Bouček).

Hyperparasite of various Coccids via their primary, mainly Encyrtid, parasites. Apparently widely distributed in southern and central Europe, also in Turkey, but still little known.

**Signiphora merceti** Malenotti, 1916

CRG: Bar, 18. VI. 1969 (Hoffer).

Primary ectoparasite of Coccids, recorded e. g. from *Chrysomphalus dictyospermi* Morg. and *Hemiberlesia camelliae* Sign. (Diaspididae). Probably circummediterranean.

**Thysanus ater** Walker, 1839

HRV: Krapina, 7. VII. 1915 (Hensch). — SRB: Aleksinac, ex *Parthenolecanium corni* [Mitić-Mužina, 1964].

Secondary parasite (hyperparasite) of Diaspididae (Coccids). Widely distributed in central and southern Europe, also in Central Asia.

## TETRACAMPIDAE

**Dipriocampe diprioni** (Ferrière, 1935)

SRB: Maljen Mts. and Stragari nr. Kragujevac, ex *Neodiprion sertifer*, 1965 (Marović).

Parasite in eggs of Diprionidae (Hym.) of the genera *Diprion*, *Gilpinia* and *Neodiprion*. Mainly northern and central Europe.

**Dipriocampe elongata** (Erdös, 1951)

HRV: Krapina, 28. V. 1924 (Hensch). — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček).

Host known (probably Diprionidae). From Sweden to Yugoslavia.

**Epiclerus nomocerus** (Masi, 1934)

HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Grebenac, 29. VI. 1968 (Bouček).

Parasite of leaf-mining Agromyzidae, reared e. g. from *Phytomyza atricornis* Meig. Mainly southern Europe, north to Sweden, and also in North Africa.

**Epiclerus panyas** (Walker, 1839)

SLO: Postojna, 1. VIII. 1958 (Coe). — MAK: Ohrid, 16. VI. 1958 (Coe).

Reared from *Melanagromyza beckeri* Hend. (Dipt., Agromyzidae). Widely distributed in central Europe, from Britain to Italy and Yugoslavia.

**Foersterella erdoesi** Bouček, 1958

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček). — MAK: Mavrovo, 22. VI. 1966 (Königsmann).

Parasite in eggs of *Cassida* spp. (Col., Chrysomelidae). Distributed from Britain and Sweden to Yugoslavia.

**Foersterella flavipes** (Förster, 1841)

BH: Podvelež [Bouček, 1958]. — CRG: Bar, 18. VI. 1969 (Hoffer).

Parasite in eggs of *Cassida* spp. (Chrysomelidae). Widely distributed in Europe.

**Platynocheilus cuprifrons** (Nees, 1834)

SLO: Postojna, VII. 1958 (Coe). — HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček). — CRG: Durmitor Mts., VI. 1958 (Bouček).

Host not known. Widely distributed in Europe, to the Caucasus.

**Tetracampe impressa** (Förster, 1841)

CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček). — MAK: Saraj and Nerezi nr. Skopje, VI. 1965 and 1966 (Königsmann).

Recorded once as parasite of *Heterothops nigra* Kr. (Col., Staphylinidae) but it needs confirmation. Widely distributed in Europe (known from Sweden to Hungary), mainly in forests.

## APHELINIDAE

**Aphelinus abdominalis** Dalman, 1820

HRV: Krapina, 19. VII. 1920 (Hensch); Zalesina in Gorski Kotar, 25. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite of various Aphids, e. g. *Macrosiphum*, *Acyrtosiphon*. Widely distributed in Europe.

**Aphelinus asychis** Walker, 1839

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Parasite of many species of Aphids (most records from USA). Whole Europe and North America.

**Aphelinus chaonia** Walker, 1839

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček); Krapina, 11. V. 1925 (Hensch); Zagreb-Gračani, 18. VI. and Plitvice Lakes, 29. VI. 1965 (Bouček); Isl. Ugljan, Kali, 12. VII. 1965 (Bouček). — CRG: Durmitor Mts., 20. VI. 1958 (Bouček). — SRB: Dubočica, Orjen Mts., 25. VII. 1968 (Marović).

Parasite of various Aphids, e. g. of the genera *Aphis*, *Doralis*, *Phorodon*, *Toxoptera*. Common throughout Europe; sometimes confused with *Aphelinus mali*.

**Aphelinus daucicola** Kurdjumov, 1913

HRV: Zagreb-Gračani, 18. VI. 1965 and Biograd n/m, 14. VII. 1968 (Bouček). — SRB: Bukulja, 27. VI. 1968 and Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček). — MAK: Mavrovo, 22. VI. and Ohrid, 17. VI. 1966 (Königsmann).

Parasite of Aphids; reared e. g. from *Hyadaphis foeniculi* Pass. Mainly central and southern Europe.

**Aphelinus flaviventris** Kurdjumov, 1913

HRV: Dalmatia [?, Ferrière, 1965]; Biograd n/m, VII. 1965 and 1968 (Bouček). — SRB: Bački Petrovac [Erdös, 1964].

Parasite of Aphids associated with *Phragmites communis*; recorded from *Hyalopterus* sp. From Britain to Moldavian SSR, also Transcaucasia.

**Aphelinus mali** (Haldeman, 1860)

HRV: Slavonia between rivers Sava, Drava and Danube [Kovačević, 1932].

Parasite of the woolly Aphid, *Eriosoma lanigerum* Hausm. Of North American origin, now almost cosmopolitan (introduced).

**Aphelinus varipes** (Förster, 1841)

HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII., Grebenac, 29. VI. and Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Hosts: various Aphids. Widely distributed in Europe.

**Aphytis aonidiae** (Mercet, 1911)

CRG: Bar, ex *Quadraspis pelagiae* Bachm. [Bachmann, 1953].

Parasite of the mentioned Coccid (Diaspididae). Southern Europe.

**Aphytis mytilaspidis** (Le Baron, 1870)

SLO: Maribor and Ljubljana [CILB, 1960]. — HRV: Zagreb, Čakovac and Osijek [CILB, 1960]. — SRB: ex *Quadraspis perniciosus* Comst. [Tadić, 1960]; Palić, ex *Epidiaspis leperii* Sign. [Bachmann, 1953]; Velika Kikinda, Kladovo, Nova Rodjona, Novi Kneževac, partly ex *Quadr. perniciosus* [CILB, 1960]. — CRG: Žabljak distr., VI. 1958 (Bouček). — MAK: Skopje and Kičevo [CILB, 1960].

Parasite of Diaspididae (Coccids). Europe and North America, also some other parts of the world.

**Aphytis proclia** (Walker, 1839)

SLO: Ljubljana, partly ex *Quadraspis perniciosus* Comst. [CILB, 1960]. — HRV: Zagreb and Osijek [CILB, 1960]. — SRB: ex *Quadr. perniciosus* [Tadić, 1960]; Velika Kikinda [CILB, 1960]. — MAK: Skopje [CILB, 1960].

Parasite of various Diaspidid Coccids. Nearly cosmopolitan.

**Aspidiotiphagus citrinus** (Craw, 1891)

SRB: ex *Quadraspis perniciosus* [Tadić, 1960]; Palić, ex *Quadraspis pelagiae* Bachm. [Bachmann, 1953]. — MAK: Ohrid [CILB, 1960].

Endoparasite of many Diaspidid Coccids. Widely distributed in warmer parts of the world.

**Azotus celsus** (Walker, 1839)  
HRV: Krapina, 6. VII. 1915 (Hensch); Biograd n/m, 6. VII. 1965 (Bouček).  
— CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček).  
Parasite of various Diaspidid Coccids. From Britain to Central Asia.

**Centrodora acridiphaga** (Otten, 1941)  
CRG: Sutomore, 6. VII. 1968 (Bouček).  
In eggs of Orthoptera, probably *Chrysochraon dispar* Germ., laid in stem of *Carduus*. Recorded from Germany.

**Centrodora hexatricha** Erdős & Novicky, 1953  
HRV: Biograd n/m, 26. VII. 1966 (Hoffer), VII. 1968 (Bouček). — CRG: Sutomore, 6. VII. 1968 (Bouček).  
Host unknown (probably eggs of Orthoptera). Southern Europe (probably widespread), up to Czechoslovakia.

**Centrodora locustarum** (Giraud, 1863)  
HRV: Biograd n/m, 26. VII. 1966 (Hoffer).  
Parasite in eggs of Orthoptera, e. g. *Conocephalus*, *Xiphidium*. Central Europe to Yugoslavia, also Transcaucasia.

**Coccophagus lycimnia** (Walker, 1839)  
HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček); Krapina (Hensch). — SRB: Beograd, Valjevo, Čačak, Žagubica and Sremski Karlovci, ex *Parthenolecanium corni* [CILB, 1963; Mitić-Mužina, 1964]; Trstenik, Sremski Karlovci-Gladnoš, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967].

Parasite of many Coccids, mainly Pseudococcidae and Coccidae. Almost cosmopolitan.

**Coccophagus pulchellus** Westwood, 1833  
SRB: Valjevo, ex *Parthenolec. corni* [CILB, 1963; Mitić-Mužina, 1964]; Beograd and Sremski Karlovci, ex *P. corni* [Mitić-Mužina, 1964]. — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite of various Coccids, mainly Pseudococcidae. Probably widely distributed in Europe.

**Coccophagus semicircularis** (Förster, 1841) (= *scutellaris* auct.)  
SLO: Gorica, ex *Parthenolec. corni* on *Robinia* [Ruschka & Fulmek, 1915]. — SRB: Beograd distr., ex *P. corni* and *Eulecanium coryli* [Vukasović, 1932a, 1932b, 1933b].

Parasite of various Coccidae and Pseudococcidae. Almost cosmopolitan in distribution.

**Encarsia inaron** (Walker, 1839)  
CRG: Sutomore, 6. VII. 1968 (Bouček).  
Parasite of Aleyrodidae (Homopt.); no definite host record yet. Probably widely distributed in Europe.

**Euryischia inopinata** Masi, 1907  
HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Rošljana, Delibl. Peščara, 28. VI. 1968 (Bouček).

Parasite of *Leucopis* spp. (Dipt., Chamaemyiidae) which themselves are parasites of Coccids. Mainly Mediterranean countries, up to Czechoslovakia and Moldavian SSR.

**Marietta picta** (André, 1877)  
SRB: Valjevo, Kruševac, Aleksinac, Kragujevac and Sremski Karlovci, ex *Parthenolecanium corni* [Mitić-Mužina, 1964]; Sremski Karlovci-Gladnoš, ex *Sphaerolecanium prunastri* [Mitić-Mužina, 1967].  
Secondary parasite of various Coccids (mainly Pseudococcidae). Widely distributed in Europe, probably except the north.

**Mesidiopsis subflavescens** (Westwood, 1837)  
HRV: Biograd n/m, 10. VII. 1965 (Bouček). — BH: Bosna, ex Aphids on oak [Ferrière, 1962].  
Parasite of Aphids on trees, mainly on *Acer*, less on *Quercus*, *Salix*, etc. From Britain to USSR.

**Physcus testaceus** Masi, 1910  
HRV: Biograd n/m, 26. VII. 1966 (Hoffer). — CRG: Sutomore, 6. VII. 1968 (Bouček).  
Parasite of various Diaspidid Coccids. Europe (perhaps except north) to Central Asia, also North America (introduced).

**Prospaltella berlesei** (Howard, 1906)  
SLO: Gorica, ex *Pseudaulacaspis pentagona* Targ. [Ruschka & Fulmek, 1915]. — HRV: Zadar and Split, ex *P. pentagona* [Ruschka & Fulmek, 1915; Tadić, 1958]. — CRG: Bar, ex *P. pentagona* [Bachmann, 1953].  
Parasite of the mentioned Diaspidid Coccid. Widely distributed in Mediterranean countries up to Hungary; introduced into some other countries of the world.

**Prospaltella gigas** Tshumakova, 1957  
???: Vipolze, ex *Quadraspidotus gigas* Th. G. [Ferrière, 1961].  
Parasite of the mentioned Diaspidid, also recorded from some other species of that family of Coccids. Southern and central Europe to Transcaucasia, also Far East of USSR.

**Prospaltella perniciosi** Tower, 1913  
SLO: Kozarje [Tadić, 1967]. — HRV: Osijek [Tadić, 1967]. — SRB: Zemun, Sremski Karlovci, ex *Quadraspidotus perniciosus* [Ferrière, 1961; Tadić, 1967].

Parasite of the above host and distributed with it in southern half of Europe to China (there native) and in North America.

## EULOPHIDAE

**Achrysocharoides albiscapus** (Delucchi, 1957)  
JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, 14. VII. 1965 (Bouček).

Endoparasite (males solitary, females gregarious) of certain *Phyllonorycter* spp. mining leaves of oaks. Switzerland to Czechoslovakia and Yugoslavia.

**Achrysocharoides altilis** (Delucchi, 1954)

SRB: Palić, ex *Phyllonorycter populifoliella* Tr. [Delucchi, 1954].

Parasite of lepidopterous leaf-miners. Described from Yugoslavia, recorded also from Netherlands.

**Achrysocharoides atys** (Walker, 1839) (= *aenea* Delucchi)

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček).

Endoparasite of leaf-mining caterpillars of *Phyllonorycter* spp. Widely distributed in Europe, perhaps except the north.

**Achrysocharoides latreillei** (Curtis, 1826)

CRG: Durmitor nr. Žabljak, 21. VI. 1958 (Bouček).

Parasite of various *Phyllonorycter* spp. (Lep., Lithocolletidae), mining leaves of deciduous trees. Britain to Yugoslavia.

**Asecodes coronis** (Walker, 1838)

MAK: Ohrid-Rača, 19. VI. 1966 (Königsmann).

Host not known (probably Diptera in Gramineae). Widely distributed in Europe.

**Asecodes mento** (Walker, 1839)

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 26. VI. 1958 (Bouček). — MAK: Ohrid, 20. VI. 1966 (Königsmann).

Recorded as gregarious endoparasite of larvae of *Lochmaea suturalis* Thoms. (Col., Chrysomelidae). Widely distributed in Europe.

**Astichus arithmeticus** (Förster, 1851)

HRV: Krapina, 25. VI. 1915, 19. IV. 1925 (Hensch).

Parasite of small beetles of the family Cisidae (*Cis* and *Ennearthron* spp.) developing in *Polyporus* and similar fungi on trees. Widely distributed in Europe.

**Aulogymnus aceris** Förster, 1851

JUGOSL: [Bouček & Askew, 1968]. — HRV: Krapina (Hensch).

Develops in galls (most probably parasitically) of *Pediaspis aceris* Gmel. (Hym., Cynipidae) on *Acer*. From Belgium to Yugoslavia.

**Bryopezus brevipennis** Erdös, 1951

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček). — BH: Pazarište [Erdös, 1951].

Host unknown (probably Lepidoptera). Recorded from Czechoslovakia, Hungary, Rumania and Yugoslavia.

**Ceranisus menes** (Walker, 1839)

CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Endoparasite of Thysanoptera, e. g. of the genera *Kakothrips* and *Taeniothrips*. Nowadays probably almost cosmopolitan.

**Chrysocharis amanus** (Walker, 1839)

SRB: Bukulja, 27. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite of some *Stigmella* spp. (Lep., Nepticullidae), leaf-miners. From Britain to Moldavian SSR.

**Chrysocharis amyite** (Walker, 1839)

HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Beograd-Košutnjak and Bukulja, VI. — VII. 1968 (Bouček). — CRG: Žabljak district incl. Durmitor Mts., Crno jezero, VI. — VII. 1958 (Bouček). — MAK: Skopje distr., VI. 1966 (Königsmann).

Parasite of Agromyzidae (e. g. *Agromyza*, *Melanagromyza* and *Phytomyza* spp.) mining in herbaceous plants. Widely distributed in Europe.

**Chrysocharis assis** (Walker, 1839)

SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

No host record yet (probably a parasite of leaf-miners). Britain and Czechoslovakia.

**Chrysocharis budensis** Erdös, 1954

HRV: Zalesina, Gorski Kotar, 25. VI. (Bouček). — CRG: Budva, 9. VII. 1958 (Bouček).

Parasite of various lepidopterous leaf-miners of the genera *Antispila*, *Stigmella*, *Lyonetia* and *Phyllonorycter*. Central Europe to southern Yugoslavia.

**Chrysocharis cerris** Erdös, 1961

JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Probably parasite of some leaf-miners on oaks. South-eastern Europe including Czechoslovakia and Moldavian SSR.

**Chrysocharis chilo** (Walker, 1839)

HRV: Krapina (Hensch); — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček). — MAK: Prespa, 24. VI. 1958 (Coe).

Reared from dipterous leaf-miners of the genus *Scaptomyza* (Drosophilidae), also recorded from some Agromyzidae and from some lepidopterous miners (doubtful). Widely distributed in Europe.

**Chrysocharis gemma** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Gorski Kotar, ex *Argyresthia fundella* F. R. [Spaić, 1972]. — CRG: Podgora nr. Žabljak, 26. VI. 1958 (Bouček).

Primary or secondary parasite of various miners (mostly Lepidoptera), usually in tough and leathery leaves, e. g. of *Quercus ilex* and *Ilex aquifolium*. Southern Europe, in the west up to Britain; also in some other parts of the world (introduced).

**Chrysocharis idyia** (Walker, 1839)

SRB: Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček).

Probably parasite of some leaf-miners (no host record yet). Widely distributed in Europe.

***Chrysocharis laomedon* (Walker, 1839)**

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd district, ex leaf-miners on *Sonchus* and *Medicago sativa* [Vukasović, 1928b, as *Chrys. elongata*].

Primary or (rarely) secondary parasite of various lepidopterous leaf-miners, mainly of *Phyllonorycter* (= *Lithocollotis*) spp., less often of some *Stigmella* or *Plylocnistis*. Widely distributed in Europe.

***Chrysocharis laricinellae* (Ratzeburg, 1848)**

HRV: Zalesina, Gorski Kotar, 25. VI., Zagreb-Gračani, 20. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite of small leaf-mining larvae of certain Lepidoptera (e. g. *Coleophora laricella* Hbn. in *Larix* needles) and Tenthredinidae (e. g. *Fenusia*, *Scolio-neura*). Some records need confirmation because of taxonomic difficulties with the species which has different generation forms. Probably whole Europe, also North America.

***Chrysocharis liriomyzae* Delucchi, 1954**

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd, 23. V. 1962 (Tanasijević).

Parasite of leaf-mining Agromyzidae (Dipt.) of the genera *Liriomyza*, *Phytomyza* and probably some other as well. Widely distributed in Europe but still little known.

***Chrysocharis melaenis* (Walker, 1839)**

SLO: Postojna, 20. VII. 1958 (Coe). — HRV: Krapina, 3. V. and 5. XI. 1915 (Hensch). Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Bukulja and Dobra Voda, Goč, VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Parasite of many Agromyzidae (e. g. *Agromyza*, *Liriomyza*, *Phytomyza*, *Phytomyza* spp.) mining leaves of various herbaceous plants. Whole Europe, also Mongolia.

***Chrysocharis naenia* (Walker, 1839)**

CRG: Durmitor Mts., VI. — VII. 1958 (Bouček, Dlabač).

Parasite of various leaf-mining Agromyzidae. Probably whole Europe.

***Chrysocharis nautius* (Walker, 1846)**

HRV: Zalesina, Gorski Kotar, 25. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Biograd n/m, 11. VII. 1965, 13. VII. 1968 (Bouček).

Uncommon parasite of some lepidopterous leaf-miners, e. g. of the genera *Tischeria* and *Phyllonorycter*. From Britain to Moldavian SSR, also Near East.

***Chrysocharis nephereus* (Walker, 1839)**

HRV: Zalesina, Gorski Kotar, 25. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blancardella* F., 1971 (Dimić). — CRG: Durmitor Mts., Crno jezero, 25. VI. 1958 (Bouček). — MAK: Ovče Pole, eggs *Cimbex quadrimaculata* Müll. [Čingovski, 1965, as *Kratochviliana* sp.]; Bouček & Askew, 1968].

Parasite of many leaf-miners, mainly of Lepidoptera; sometimes also in eggs laid on leaves. Widely distributed in Europe.

***Chrysocharis nigricrus* (Thomson, 1878)**

HRV: Krapina (Hensch); Gorski Kotar, ex *Argyresthia fundella* F. R. mining needles of *Abies* [Spaić, 1972].

Reared from *Apanteles* spp. (Hym., Braconidae), primary parasites of some leaf-miners, but probably attacks leaf-miners themselves as well (as primary parasite). In forests of Europe.

***Chrysocharis nitetis* (Walker, 1839)**

JUGOSL: (?) [Delucchi, 1954, as *Chrys. laeta*]. — BH: Sarajevo, ex *Phyllonorycter blancardella* F., 1971 (Dimić). — SRB: (?) Palić, ex *Phyll. populifoliella* Tr. [Delucchi, 1954, as *Epilampsis tadici*]; Čačak, ex *Leucoptera scitella* Zell. [OILB, 1971].

Parasite of various leaf-miners including *Rhynchaenus* spp. (Col., Curculionidae), various Lepidoptera (e. g. *Phyllonorycter* spp.) and *Messa* (Hym., Tenthredinidae), common on trees. Whole Europe. *Epilampsis tadici* probably belongs here.

***Chrysocharis pentheus* (Walker, 1839)**

HRV: Osijek, ex *Stigmella malella* Stnt., 1974 (Ciglar). — CRG: Žabljak district, VI. 1958 (Bouček).

Parasite of small leaf-mining lepidopterous larvae, mainly of the genus *Stigmella* (Nepticulidae). Widely distributed in Europe.

***Chrysocharis phryne* (Walker, 1839)**

JUGOSL: ex *Phyllonorycter platani* Stnt. [CILB, 1960]. — SRB: Beograd district, ex *L. platani* [Bogavac, 1959, as *Chrys. scutellaris*]. — CRG: Durmitor Mts., VI. 1958 (Bouček).

Parasite of various lepidopterous leaf-miners of the genera *Stigmella* and *Phyllonorycter*, on trees. Widely distributed in Europe, mainly in forests.

***Chrysocharis polyzo* (Walker, 1839)**

JUGOSL: [Bouček & Askew, 1968]. — HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 and Plitvice Lakes, 29. VI. 1965 (Bouček). — SRB: Morović, 3. VII. 1958 (Coe). — CRG: Durmitor Mts., VI. 1958 (Bouček). — MAK: Prespa, 24. VI. 1958 (Coe).

Parasite of various Agromyzid (Dipt.) leaf-miners on herbaceous plants, mainly on the wood undergrowth. Probably whole Europe, to Transcaucasia.

***Chrysocharis prodice* (Walker, 1839)**

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII., Bukulja, 27. VI. and Dobra Voda, Goč, 1. VII. 1968 (Bouček). — CRG: Durmitor, Crno jezero, 25. VI. 1958 (Bouček).

Common parasite of leaf-mining larvae of many *Stigmella* spp. (Lep., Nepticulidae). Whole Europe, also Mongolia.

***Chrysocharis pubicornis* (Zetterstedt, 1838)**

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina, 8. VII. 1916 (Hensch); Zalesina, Gorski Kotar, 25. VI., Zagreb-Gračani, 16. VI and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Žabljak district, VI. 1958 (Bouček).

Common parasite of small dipterous larvae, mainly of Agromyzidae (e. g. *Dizygomyza*, *Liriomyza*, *Napomyza*, *Phytomyza*) or of Drosophilidae (*Scaptomyza*) mining leaves of various herbaceous plants. West Palaearctic.

***Chrysocharis submutica* Graham, 1963**

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Reared from lepidopterous leaf-miners of the genus *Phyllonorycter*. Widely distributed in Europe.

***Chrysocharis subpolita* Erdös, 1958**

HRV: Isl. Rab, 3. VI. 1914 (Vienna Mus.); Biograd n/m, VII. 1965, 1968 (Bouček). SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Host unknown (miners on Gramineae?). From Britain to south-eastern Europe.

***Chrysocharis truncatula* Graham, 1963**

SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).  
Host unknown. Previously recorded only from Britain.

***Chrysonotomyia albiscapus* (Erdös, 1954)**

SRB: Grebenac, 29. VI. 1968 (Bouček).

Reared in Italy from *Apanteles glomeratus* L. (Hym., Braconidae), as a hyperparasite of *Aporia crataegi* L. Central and southern Europe.

***Chrysonotomyia chlorogaster* (Erdös, 1966)**

JUGOSL: [Bouček & Askew, 1968]. — HRV: Osijek and Bistrac, 13. IX. 1967 (Britvec), 11. VI. 1968 (Arčanin) and 1974 (Ciglar).

Parasite of small leaf-mining larvae of some Lepidoptera, e. g. *Stigmella* spp. (Nepticulidae) and *Tischeria ekebladella* Bjerk. (Tischeriidae). From Britain to Yugoslavia and Moldavian SSR.

***Chrysonotomyia formosa* (Westwood, 1833)**

HRV: Osijek, ex *Stigmella malella* Stnt., IX. 1967 (Arčanin) and 1974 (Ciglar); Biograd n/m, VII. 1965 and 1968 (Bouček); Ugljan, nr. Kali, 12. VII. 1965 (Bouček). — SRB: Kršanje nr. Titovo Užice, 24. VII. 1968 (Marović); Čačak, ex *Leucoptera scitella* Zell. [OILB, 1971]; Dobra Voda, Goč, 1. VII. 1968 (Bouček). — CRG: Budva, 9. VII. 1958 and Sutomore, 6. VII. 1968 (Bouček). — MAK: Ovče Pole, eggs of *Cimbex quadrimaculata* Müll. [Čingovski, 1965].

Parasite of small larvae of various leaf-miners (mostly Lepidoptera but also Diptera, Agromyzidae) or in eggs laid on foliage. Mainly European, but also Near East and some parts of Africa.

***Chrysonotomyia germanica* (Erdös, 1956)**

SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite of Cecidomyiidae, e. g. of *Rhopalomyia florum* Kieff. on *Artemisia vulgaris*. From Britain to Moldavian SSR and Yugoslavia.

***Chrysonotomyia lanassa* (Walker, 1839)**

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček).

Host unknown. Widely distributed in Europe.

***Chrysonotomyia lyonetiae* (Ferrière, 1952)**

JUGOSL: [Bouček & Askew, 1968]. — HRV: Osijek, ex *Stigmella malella*, IX. 1967 (Arčanin, Britvec), 1974 (Ciglar); Biograd n/m [Bouček]. — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Parasite of some small leaf-miners like the mentioned *Stigmella* and *Lyonetia clerckella* L. on apple-trees and on some other broad-leaf trees. Central and southern Europe.

***Chrysonotomyia ruforum* (Krausse, 1917)**

SRB: Stragari nr. Beograd, ex *Neodiprion sertifer*, 25. VIII. 1964 (Vasić); Maljen, ex *Diprion pini* [Vasić & Sisojević, 1955; Živojinović, 1954; Maksimović, 1954; Vasić & Petrović, 1957; Vasić & Živojinović, 1960]; Raška, 10. IX. 1964 (Vasić); Dubočica nr. Sjenica, 13. VII. 1964 (Vasić).

Parasite in eggs of the mentioned Diprionidae (Hym.) on pines. Whole Europe, also North America (introduced).

***Cirrospilus curvineurus* Askew, 1965**

CRG: Tara Canyon nr. Žabljak [Bouček, 1959b, as *C. singa*; Bouček & Askew, 1968].

Reared from a *Stigmella* species (Lep., Nepticulidae) mining leaves of *Salix*. Britain, Czechoslovakia, Yugoslavia.

***Cirrospilus diallus* Walker, 1838**

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček).

Ectoparasite of various leaf-mining larvae (e. g. *Rhynchaenus* spp., Curculionidae; *Tischeria*, *Stigmella*, *Phyllonorycter*, *Phylloconistis*, *Leucoptera* spp., *Coleophora laricella* Hbn., all Lepidoptera) on deciduous trees, rarely in small leaf-galls. Whole Europe, also Madeira.

***Cirrospilus elegantissimus* Westwood, 1832**

SRB: Palić [Delucchi, 1958]; Beograd district, ex *Phyllonorycter platani* Strg. [Bogavac, 1959, as *Plesiospilus unistriatus*].

Ectoparasite of larvae of various leaf-mining *Phyllonorycter* (= *Lithocletis*) species and of *Phylloconistis unipunctella* Steph. (Lep., Lithocolletidae and Phylloconistidae). From Britain to Moldavian SSR, mainly in southern Europe.

***Cirrospilus elongatus* Bouček, 1959**

CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Reared from *Prays oleae* Bern. (Lep., Plutellidae), probably attacks also some grass miners. Central and southern Europe, also Algeria and Lebanon.

***Cirrospilus lyncus* Walker, 1838**

HRV: Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blancaudella* F., 1971 (Dinić). — CRG: Sutomore, 6. VII. 1968 (Bouček).

Parasite in leaf-mines of many Lepidoptera (various *Phyllonorycter*, *Stigmella*, *Tischeria*, *Phylloconistis* spp. etc.), usually primary, occasionally secondary via other parasites, e. g. *Apanteles circumscriptus* Nees. Whole Europe, south-western Asia.

**Cirrospilus pictus** (Nees, 1834)

HRV: Zagreb, ex *Stereonychus fraxini* Deg., 1971 (Mikloš). — SRB: Pančevo, ex *Stilpnobia salicis*, 7. VII. 1968 (Vasić); Kupinski Kut nr. Beograd, ex *Nycteola asiatica*, 4. IX. 1963 (Marović); Dobra Voda, Goč, 1. VII. 1968 (Bouček). — CRG: Borova Glava nr. Žabljak, 4. VII. 1958 (Dlaloba).

Ectoparasite of various leaf-mining larvae, rarely of pupae, on deciduous trees, and of their parasites. Whole Europe, also in North America (introduced).

**Cirrospilus staryi** Bouček, 1959

JUGOSL: [Bouček & Askew, 1968]. — HRV: Isl. Ugljan and Biograd n/m, VII. 1965, 1966, 1968 (Bouček, Hoffer); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček). — CRG: Sutomore, 6. VII. 1968 (Bouček); Bar, 18. VI. 1969 (Hoffer).

Parasite of lepidopterous leaf-miners, mainly on xerophilous herbaceous plants. From Czechoslovakia to North Africa, Near East and Transcaucasia.

**Cirrospilus variegatus** (Masi, 1907)

HRV: Bistrac, 13. IX. 1965 (Britvec) and Osijek, ex *Stigmella malella* on apple-trees, IX. 1967 and VI. 1968 (Britvec, Arčanin). — SRB: Čačak, ex *Leucopelta scitella* and *Stigm. malella* [OLIB, 1971].

Ectoparasite of small leaf-mining larvae of some Lepidoptera, e. g. of the genera *Holocacista*, *Stigmella*, *Lyonetia*, *Phyllonorycter*. Southern Europe (incl. Moldavian SSR, Switzerland) to East Africa and India.

**Cirrospilus viticola** (Rondani, 1877) (= *subviolaceus* Thomson)

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Mali Lošinj, IX. 1964 (Mikula); Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček). — CRG: Sutomore, 6. VII. 1968 (Bouček).

Primary (rarely secondary) parasite of various leaf-mining larvae (many *Phyllonorycter* spp., *Tischeria*, *Phyllocnistis* and other Lepidoptera, also *Rhynchaenus* spp., Curculionidae) on deciduous trees. Whole Europe, to Azerbaijan.

**Cirrospilus vittatus** Walker, 1838

JUGOSL: [Bouček, 1959b]. — HRV: Gorski Kotar, ex *Argyresthia fundella* [Spaić, 1972]; Bistrac and Osijek, ex *Stigmella malella*, IX. 1965, 1974 (Britvec, Ciglar). — BH: Sarajevo, ex *Phyllonorycter blancardella*, 1971 (Dimić). — SRB: Čačak, ex *Stigm. malella* and *Leucopelta scitella* [OLIB, 1971]. — CRG: Durmitor Mts., VI. 1958 (Bouček). — MAK: Ovče Pole, eggs of *Cimbex quadrivalvata* [Čingovski, 1965].

Ectoparasite of many leaf-miners and of insect eggs laid on foliage of deciduous trees, including *Larix*, or on herbaceous plants; occasionally hyperparasitic.

**Cleolophus autonomus** Mercet, 1924

SRB: Rošijana, Deliblat, Peščara, 28. VI. 1968 (Bouček).

Parasite of lepidopterous leaf-miners (*Caloptilia*, *Stigmella*) on xerophilous herbaceous plants. Southern Europe to Czechoslovakia and Moldavian SSR.

**Closterocerus trifasciatus** Westwood, 1833

JUGOSL: [Bouček & Askew, 1968]. — HRV: Bistrac, ex *Stigmella malella*, 13. IX. 1965 (Britvec). — BH: Sarajevo ex *Phyllonorycter blancardella*, 1971 (Dimić).

Endoparasite of larvae of various leaf-miners, occasionally secondary. Whole Europe, probably also some other parts of the world.

**Crateulophus bicolor** (Delucchi, 1962)

HRV: Biograd n/m, 12. — 19. VII. 1968 (Bouček).

Host unknown (probably Lepidoptera). Described from Morocco, recently found also in Spain and Italy (n. recc.), recorded also from Sudan and South Africa.

**Dahlbominus fuscipennis** (Zetterstedt, 1838)

JUGOSL: [Morris & Cameron, 1935; Morris, Cameron & Jepson, 1937]. — SLO: Sežana [Mijin, 1956]. — HRV: Rijeka [Ulliyett, 1936]; Dalmatia [Morris & Cameron, 1935; Morris, 1938]. — BH: [Ulliyett, 1936]; Banja Luka, Lištica and Stolac [Mijin, 1956]. — SRB: Peć [Mijin, 1956]; Maljen [Vasić & Sisojević, 1955; Mijin, 1956, 1959]; Vasić & Petrović, 1957]; Šargan and mountains between Sjenica and Prijepolje, Dubočica [Mijin, 1956, 1959]; Stragari nr. Kragevac, ex *Neodiprion sertifer*, VIII. 1964 (Vasić). — CRG: [Ulliyett, 1936].

Gregarious ectoparasite of fully grown larvae, prepupae or pupae in cocoons on ground of various Diprionidae (Hym.) including such pests as *Diprion pini* L. and *Neodiprion sertifer* Geoff. and *Gilpinia* spp. on conifers; mostly as primary parasite, sometimes as hyperparasite via Ichneumonidae (in their cocoons). Whole Europe, also North America (introduced).

**Derostenus gemmeus** Westwood, 1833

SLO: Postojna, VII. — VIII. 1958 (Coe). — HRV: Zalesina, Gorski Kotar, 25. VI., Zagreb-Gračani, 20. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. and Bukulja, 27. VI. 1968 (Bouček).

Parasite of larvae of various leaf-miners, mainly of the genus *Stigmella* (Lep., Nepticulidae). Whole Europe.

**Derostenus punctiscuta** Thomson, 1878

CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite of *Stigmella* spp. mining leaves of deciduous trees. Probably most of Europe, in forests.

**Diaulinopsis arenaria** (Erdös, 1951)

HRV: Biograd n/m, 11. — 17. VII. 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček); Deliblat, Peščara: Devojački Bunar, Rošijana and Grebenac, 28. — 29. VI. 1968 (Bouček).

Probably parasite of Agromyzidae mining grasses. Central and southern Europe, from Spain to Azerbaijan.

**Dichatomus acerinus** Förster, 1878

HRV: Karlobag, ex galls on *Acer campestre*, VIII. 1893 (Biró, Budap. Mus.). Develops, probably as a parasite (if not phytophagous), in galls of *Pediaspis aceris* Gmelin (Hym., Cynipidae) on *Acer*. Recorded from France and Austria.

**Dicladocerus euryalus** (Haliday, 1843)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Fužine, Gorski Kotar, ex *Argyresthia fundella* F. R. [Spaić, 1968, 1972]. — MAK: Popova Šapka, 24. VI. 1966 (Königsmann).

Apart from the mentioned host reared from *Ocnerostoma copiosellum* Frey (Lep., Yponomeutidae). British Isles, central Europe to Yugoslavia.

**Dicladocerus westwoodii** Westwood, 1832

SLO: Postojna, 13. VII. 1958 (Coe). — HRV: Krapina (Hensch). — SRB: Ruma (Hensch).

Ectoparasite of larvae (mostly primary) of various small Lepidoptera like Tortricidae, Coleophoridae etc. From Ireland to Japan, also in Canada (introduced).

**Diglyphus isaea** (Walker, 1838)

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zalesina, Gorski Kotar, Zagreb-Gračani and Spačva nr. Vinkovci, VI. 1965 (Bouček); Biograd n/m, VII. 1965 (Bouček). — SRB: Beograd district, ex *Phytomyza atricornis*, *Ph. syngenesiae* and *Agromyza* sp. [Vučković, 1928b, 1928d, as *Solenotus viridis*]; Zemun Polje and Svilajnac, VI. 1961, 1963 (Morison); Dobra Voda, Goč, 30. VI. 1968 (Bouček); Kopaonik [Janković, 1964]. — CRG: Durmitor Mts., VI. 1958 (Bouček). — MAK: Popova Šapka, 2000—2500 m, Ceripasins Vrh, Mavrovo and Ohrid, VI. 1966 (Königsmann); Prespa, VI. 1958 (Coe); Dojran Lake, 8. VI. (Königsmann).

Common parasite of Agromyzid (Dipt.) leaf-miners on numerous herbaceous plants. Whole Palaearctic region, including Pakistan.

**Diglyphus minoeus** (Walker, 1838)

HRV: Zagreb-Gračani, VI. 1965 (Bouček).

Parasite of leaf-miners, mainly of Agromyzidae, also recorded from some *Phyllonorycter* spp. (Lep.). Whole Europe, to Pakistan.

**Diglyphus pachyneurus** Graham, 1963

HRV: Biograd n/m, VII. 1965 (Bouček). — CRG: Bar and Ulcinj, 18. VI. and 7. VII. 1969 (Hoffer).

Parasite of Agromyzid leaf-miners, mainly on coastal sand-dunes. Widely distributed in Europe.

**Diglyphus pusztensis** (Erdős & Novicky, 1951)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, 7. VII. 1965 (Bouček).

Host not yet known. From Britain to Transcaucasia.

**Elachertus argissa** (Walker, 1839)

HRV: Krapina, 13. V. 1924 (Hensch). — Zalesina in Gorski Kotar and Spačva nr. Vinkovci, VI. 1965 (Bouček); Biograd n/m, VII. 1965, 1968 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blancaudella*, 1971 (Dimić). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite of small caterpillars of some species of Tortricidae, Gelechiidae, Coleophoridae etc. Probably whole Europe.

**Elachertus artaeus** (Walker, 1839)

SLO: Postojna, 16. VII. 1958 (Coe). — HRV: Vinica nr. Varaždin and Zagreb-Gračani, VI. 1965 (Bouček); Ugljan and Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Morović, VII. 1958 (Coe); Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: Žabljak district, VI. 1958 (Bouček, Dlabola). — MAK: Mavrovo, 22. VI and Popova Šapka, 23. VI. 1966 (Königsmann).

Gregarious ectoparasite of larvae of some Lepidoptera of smaller size, e. g. of Tortricidae. Widely distributed in Europe.

**Elachertus geniculatus** (Hartig, 1838)

HRV: Kutjevo, Krndija Mts., ex *Laspeyresia strobilella*, 1965 (Harapin). — MAK: Ohrid-Orce Nikolov, 15. VI. 1966 (Königsmann).

Gregarious ectoparasite of larvae of some Lepidoptera (e. g. *Rhyacionia*, *Petrova*, *Exoteleia*) associated with cones or shoots of conifers. Widely distributed in Europe.

**Elachertus inunctus** (Nees, 1834)

JUGOSL: [Bouček & Askew, 1968]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Zalesina, Gorski Kotar, 26. VI. and Zagreb-Gračani, 16. VI. 1965 (Bouček). — CRG: Žabljak, 29. VI. 1958 (Bouček).

Ectoparasite of leaf-mining lepidopterous larvae, e. g. of the genus *Phyllo-norycter* (= *Lithocolletis*), or of other caterpillars on foliage of deciduous trees. Whole Europe, in forests.

**Elachertus isadas** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček). — CRG: Durmitor Mts., nr. Žabljak, VI. 1958 (Bouček).

Ectoparasite of some lepidopterous larvae; seems to prefer moister or alpine habitats, but is widely distributed in Europe.

**Elachertus nigritulus** (Zetterstedt, 1838)

SLO: Postojna, 18. VII. 1958 (Coe). — HRV: Biograd n/m, 13. VII. 1968 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. and Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Ectoparasite of various lepidopterous larvae, e. g. Tortricidae. Whole Europe, to Transcaucasia.

**Elachertus olivaceus** (Thomson, 1878)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — BH: Neum, 8. VII. 1968 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: nr. Žabljak, VI. 1958 (Bouček).

Ectoparasite of lepidopterous larvae, mainly of *Coleophora* spp. on *Juncus*. Widely distributed in Europe.

**Elachertus pallidus** Askew, 1964

JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — MAK: Novi Dojran, 8. VI. 1966 (Königsmann).

Ectoparasite of larvae of Tortricidae (Lep.), including *Laspeyresia pomonella* L. and *Grapholita molesta* Busck. Southern Europe.

**Elachertus pilosiscuta** Bouček, 1971

CRG: Durmitor, Crno jezero, 25. VI. 1958 (Bouček).

Host unknown. W. Germany, Czechoslovakia, Leningrad region in USSR.

**Elachertus pulcher** (Erdös, 1961)

JUGOSL: [Bouček & Askew, 1968]. — HRV: nr. Kali, Ugljan, 25. VII. 1966 (Hoffer); Biograd n/m, 14. VII. 1968 (Bouček).

Host unknown. From France to Turkey and Azerbaijan.

**Entedon abdera** Walker, 1839

MAK: Drenovska klisura, ex *Gymnetron* sp. on *Linaria dalmatica*, 26. VII. 1969 and Bitolj, same host, 13. IX. 1971 (Bogavac).

The above is the first host record. Species previously reported from Britain, Sweden, Czechoslovakia and Hungary.

**Entedon aestivalis** Erdös, 1966

SRB: Grebenac, Deliblat. Peščara, 29. VI. 1968 (Bouček).

Host unknown. Recorded only from Hungary.

**Entedon armigerae** Graham, 1971

HRV: Skakavac, ex *Scolytus laevis* on *Ulmus montana* [Graham, 1971].

Apart from the above host the species is a parasite of *Magdalis armigera* Geoffr. (Col., Curculionidae). Britain, Sweden, Yugoslavia.

**Entedon astragali** Erdös, 1951

SRB: Grebenac, 29. VI. and Bukulja, 27. VI. 1968 (Bouček).

As hosts are recorded *Apion* (Col., Curculionidae) species associated with *Astragalus* and *Vicia*. Hungary, Czechoslovakia.

**Entedon calcicola** Graham, 1971

CRG: Žabljak district [Graham, 1971].

Host unknown. Species probably associated with calcareous ground; Britain, Yugoslavia and Czechoslovakia (Slovakia).

**Entedon cionobius** Thomson, 1878

HRV: Spačva nr. Vinkovci, 21. VI. 1965 Ugljan, nr. Kali, 12. VII. 1965 and Biograd n/m, VII. 1965, 1968 (Bouček). — CRG: Tara Canyon nr. Žabljak, 2. VII. 1958 (Bouček).

Parasite of weevils (Curculionidae), reared from *Cionus tuberculosus* Scop. and *Stereonychus fraxini* Deg. Probably widely distributed in Europe.

**Entedon costalis** Dalman, 1820

HRV: Krapina [Erdös, 1944].

The only host record, *Cionus tuberculosus* Scop. (Col., Curculionidae), seems doubtful and needs confirmation. From Norway to Yugoslavia.

**Entedon crassiscapus** Erdös, 1944

HRV: Biograd n/m, VII. 1965 and 1968 (Bouček). — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Reared from two *Mordellistena* species (Col., Mordellidae). Southern and central Europe, from Spain (n. rec.) and Germany to Azerbaijan.

**Entedon diotimus** Walker, 1839

SLO: Postojna, VII. 1958 (Coe). — HRV: Zalesina, Gorski Kotar, 25. VI. and Zagreb-Gračani, 18. VI. 1965 (Bouček). — SRB: Morović, VII. 1958 (Coe); Dobra Voda, Goč, 29. VI. 1968 (Bouček). — CRG: Crno jezero and Tara valley nr. Žabljak, 25. VI. — 6. VII. 1958 (Bouček). — MAK: 15. VI. 1965 (Königsmann).

No reliable host record yet but probably some *Apion* spp. (Col., Curculionidae) developing in inflorescences of *Lotus* and *Trifolium*. Widely distributed in Europe; also Amur territory in the Far East of the USSR.

**Entedon ergias** Walker, 1839 (= *leucogramma* Ratzeburg)

HRV: Krapina (Hensch); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Rijeka, 1938 (Goidanich); Biograd n/m, 19. VII. 1968 (Bouček). — SRB: Ruma (Hensch); Beograd, ex *Scolytus pygmaeus*, 1907 (Wichmann).

Parasite mainly of *Scolytus* spp., recorded also from some other Scolytidae and from *Magdalitis* spp. (Curculionidae). Whole Europe, to east as far as Iran.

**Entedon euphorion** Walker, 1839 (= *longicornis* Erdös)

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček).

Parasite of *Ernobius* spp. (Col., Anobiidae) associated with *Picea* and *Pinus*. From Britain to Moldavian SSR, also New Zealand (introduced).

**Entedon insignis** Erdös, 1944

HRV: Biograd n/m, VII. 1965, 1968 (Bouček). — CRG: Ulcinj, 22. VI. 1969 (Hoffer). — MAK: Mavrovo, 22. VI., Struga/Drim, 14. VI., Ohrid, 17. VI. 1966 (Königsmann); Prespa-Otešovo, VI. 1955 (Coe); Makedonski Brod, 1. VI. and Stari Dojran, 7. VI. 1966 (Königsmann).

Parasite of Curculionidae in stems of *Cirsium* and *Carduus*, probably of *Larinus* spp. Widely distributed in southern Europe, from Spain (n. rec.) to Czechoslovakia and Bulgaria (n. rec.).

**Entedon leucocnemis** Erdös, 1944

HRV: Biograd n/m, VII. 1968 (Bouček). — MAK: Ohrid distr. with Rača, VI. 1966 and Novi Dojran, 7. VI. 1966 (Königsmann).

Reared from stems of *Scrophularia*, probably as a parasite of a Curculionid. Czechoslovakia, Hungary, Yugoslavia.

**Entedon methion** Walker, 1839

HRV: Krapina (Hensch).

Parasite of *Ernobius* spp. (Col., Anobiidae) on cnoifers, reared also from *Ips acuminatus* Gyll. (Scolytidae). Widely distributed in Europe.

**Entedon nigrini** Bouček, 1974

CRG: nr. Žabljak [Bouček, 1974b].

Reared from *Ernobius nigrinus* Sturm (Anobiidae) and *Pityophthorus lichtensteini* Ratz. (Scolytidae) on conifers. Sweden, Denmark (n. rec.), Czechoslovakia, France (n. rec.) and Yugoslavia.

**Entedon parvicalcar** Thomson, 1878  
SRB: Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček). — CRG: Durmitor, 29. VI. 1958 (Bouček).  
Host not known. Species widely distributed in Europe.

**Entedon punctiscapus** Thomson, 1878  
SLO: Postojna, 31. VII. 1958 (Coe). — SRB: Bukulja, 27. VI. 1968 (Bouček).  
Host not known (probably associated with *Salix*). Widely distributed in Europe.

**Entedon subovatus** Thomson, 1878  
HRV: Vrelo [Erdös, 1944].  
Host not known with certainty (recorded from a pupa on leaf of *Pyrus*). Probably widely distributed in Europe but little known.

**Entedon thomsonianus** Erdös, 1944  
MAK: Skopje, 6. VI. and Ohrid, 17. VI. 1966 (Königsmann); Prespa-Otševo, VI. 1955 (Coe).  
Parasite of *Lixus cardui* Oliv. (Col., Curculionidae) in stems of *Carduus*. From Hungary to Greece.

**Entedon transversalis** Erdös, 1944 (? = *metatarsalis* Thomson)  
BH: Jablanica, 25. V. 1916 (Apfelbeck, Budap. Mus.).  
Host probably *Apion* sp. (Curculionidae) or *Mordellistena* sp. (Mordellidae) in stems of *Carduus acanthoides*. Probably widely distributed in Europe but little known.

**Entedon zanara** Walker, 1839  
BH: Neum, 8. VII. 1968 (Bouček).  
Recorded as parasite of *Mordellistena parvula* Gyll. (Col., Mordellidae). Widely distributed in Europe, also in the Far East of the USSR.

**Euderastichus obscurus** (Thomson, 1878)  
JUGOSL: [Bouček & Askew, 1968]. — BH: Neum, 8. VII. 1968 (Bouček). — SRB: Gornji Milanovac, 12. V. 1963 (Morison); Morović, 3. VII. 1958 (Coe); Srebrnac, Kopaonik, 27. VII. 1957 (Janković).  
Host unknown. Probably whole Europe, also Azerbaijan (USSR).

**Euderus albitarsis** (Zetterstedt, 1838)  
JUGOSL: [Bouček & Askew, 1968]. — SLO: Rak River valley, Postojna and Pivka, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Rošljana, Deliblat, Peščara, 28. VI. and Dobra Voda, Goč, 30. VI. 1968 (Bouček). — CRG: nr. Žabljak, VI. 1958 (Bouček).

Host records include Scolytidae (Col.), leaf-mining, leaf-eating and twig-boring Lepidoptera (also Coleophoridae) and grass-stem boring Cephidae (Hym.); all need confirmation. Under the name *albitarsis* an aggregate of several closely related species may exist, hence the records of a Holarctic distribution also need confirmation.

**Euderus brevicornis** Bouček, 1963  
HRV: Isl. Rab, Tignarossa, 4. VI. 1914, on *Salvia officinalis*. — SRB: Devojački Bunar, Deliblat, Peščara, 28. VI. 1968 (Bouček).  
Host unknown; associated with steppe biotopes. From Spain to Transcaucasia, north up to Czechoslovakia.

**Eulophus abdominalis** Nees, 1834  
HRV: Krapina (Hensch). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).  
Gregarious ectoparasite of caterpillars of various Tortricidae, Geometridae, Noctuidae, Lymantriidae etc. on leaves of deciduous trees. Mainly northern and central Europe.

**Eulophus aeneicoxa** (Thomson, 1878)  
SRB: Kupinski Kut nr. Beograd, ex *Closterana anastomosis* L., 12. V. and 9. VI. 1964 (Vasić).  
Ectoparasite of caterpillars on leaves, e. g. of Notodontidae, Tortricidae. Widely distributed in Europe.

**Eulophus cyanescens** Bouček, 1959  
HRV: Merolino forest nr. Vinkovci, ex caterpillar on oak, V. 1961 (Spačić).  
Reared from *Lithophane ornitopus* Hufn. (Lep., Noctuidae). Recorded from Czechoslovakia and Moldavian SSR.

**Eulophus larvarum** (Linnaeus, 1758)  
HRV: Krapina (Hensch); Zagreb (Budap. Mus.); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. and Bukulja, 27. VI. 1968 (Bouček). — CRG: Durmitor Mts., VI. 1958 (Bouček).  
Common gregarious ectoparasite of various caterpillars on leaves of deciduous trees. Palaearctic in distribution.

**Eulophus pennicornis** Nees, 1834  
HRV: Krapina (Hensch). — SRB: Ruma (Hensch); Dobra Voda, Goč, 30. VI. 1968 (Bouček).  
Gregarious ectoparasite of caterpillars, mainly of various Noctuidae. Widely distributed in Europe, to Azerbaijan.

**Eulophus slovacus** Bouček, 1959  
JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, 26. VII. 1966 (Hoffer).  
Reared from *Platypteryx binaria* Hufn. (Lep., Drepanidae), probably also from *Lymantria dispar* L. From Italy to Czechoslovakia and Moldavian SSR.

**Eulophus thespius** Walker, 1839  
SLO: Postojna, 1. VIII. 1958 (Coe).  
Parasite of caterpillars, e. g. of some Noctuidae and Geometridae. Palaearctic in distribution.

**Euplectromorpha bouceki** Erdös, 1966  
HRV: Isl. Ugljan, VII. 1966 (Hoffer). — SRB: Grebenac, 29. VI. 1968 (Bouček). — CRG: Bar and Šasko jezero, VII. 1969 (Hoffer).

Ectoparasite of caterpillars, but no host known yet. Southern Europe up to Czechoslovakia.

**Euplectromorpha chlorocephala** (Nees, 1834)

SLO: Postojna, 24. VII. 1958 (Coe).

Reared from caterpillar of *Rhagades pruni* D. Sch. (Lep., Zygaenidae). Mainly central Europe.

**Euplectromorpha laeviscuta** (Thomson, 1878)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).

Host unknown. Widely distributed in Europe but uncommon.

**Euplectromorpha pannonica** Erdős, 1966

JUGOSL: [Bouček & Askew, 1968]. — HRV: Isl. Ugljan, nr. Kali, VII. 1965 (Bouček).

Host caterpillar unknown. Netherlands, Germany, Hungary, Yugoslavia, Italy.

**Euplectrus bicolor** (Swederus, 1795)

JUGOSL: [Maceljski & Balarin, 1974]. — HRV: Krapina (Hensch). — SRB: Ruma (Hensch). — CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček).

Common gregarious ectoparasite of various caterpillars, mainly of Noctuidae. Whole Europe; records outside Europe need confirmation.

**Euplectrus flavipes** (Fonscolombe, 1832) (= *cacoeciae* Ferrière)

HRV: Belje, ex *Autographa gamma* L., VII. 1970 (Maceljski). — SRB: Buljija, Šumadija, 27. VI. 1968 (Bouček). — CRG: Sutomore, 6. VII. 1968 and Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Reared from *Archips rosana* L. (Tortricidae) and caterpillars of two Noctuid species. Widely distributed in the Mediterranean subregion.

**Euplectrus lippardis** Ferrière, 1941

MAK: Prespa, VI. 1958 (Coe).

Ectoparasite of caterpillars, in Algeria reared from *Lymantria dispar* L.; found also in Italy and Czechoslovakia.

**Hemiptarsenus dropion** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — SLO: Postojna, 1. VIII. 1958 (Coe). — HRV: Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček) and 30. VII. 1966 (Hoffer).

Ectoparasite of leaf-mining (mainly lepidopterous) larvae on *Betula*, *Populus*, *Pyrus*, *Helianthemum*, *Sonchus*, *Senecio*, *Lotus* etc. From Sweden throughout Europe to North Africa.

**Hemiptarsenus fulvicollis** Westwood, 1833

HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blancaudella*, 1971 (Dimić).

Ectoparasite of various leaf-mining caterpillars. Widely distributed in Europe.

**Hemiptarsenus unguicellus** (Zetterstedt, 1838)

JUGOSL: [Bouček & Askew, 1968]. — SLO: Kranjska Gora, 26. VII. 1936 (Enderlein); Postojna, VII. 1958 (Coe). — HRV: Vinica nr. Varaždin, Zagreb-Gračani and Spačva nr. Vinkovci, VI. 1965 (Bouček); ?Dalmatia [Parker & al., 1929; dubious, concerns rather *Sympiesis viridula*!]. — SRB: Morović, VII. 1958 (Coe); Rošljana and Devojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček). — CRG: Žabljak distr., VI. 1958 (Bouček). — MAK: Mavrovo, 22. VI. 1966 (Königsmann).

Ectoparasite of larvae of Agromyzidae (Dipt.) and of some small Lepidoptera, usually in leaf-mines on grasses and herbaceous plants. Holarctic in distribution.

**Hemiptarsenus waileseilae** Nowicki, 1929

JUGOSL: [Bouček & Askew, 1968]. — HRV: Isl. Ugljan, 23. VII. 1966 (Hoffer); Biograd n/m, VII. 1965 and 1968 (Bouček). — CRG: Budva, 9. VII. 1958 (Bouček).

Parasite of some leaf-miners (e. g. *Stigmella*, *Leucoptera*; Lep.) on xerophilous plants. From Algeria to Czechoslovakia.

**Hemiptarsenus waterhousii** Westwood, 1833

SRB: Rošljana, Deliblat. Peščara, 28. VII. 1968 (Bouček).

Parasite of leaf-mining caterpillars (e. g. *Stigmella*, *Phyllonorycter*, *Bucculatrix*, *Mompha*, *Stagmatophora*), mainly on xerophilous plants. From Britain to Moldavian SSR, uncommon.

**Hemiptarsenus zilahisebessi** Erdős, 1951

SRB: Devojački Bunar, Rošljana and Grebenac, Deliblat Sands, VI. 1968 (Bouček).

Reared from two Agromyzid (Dipt.) and one species of Nepticulid (Lep.) leaf-miners and from *Hypurus bertrandi* Perris (Col., Curculionidae). Southern and central Europe to Egypt.

**Holcopelte obscura** (Förster, 1841)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Krapina (Hensch); Zalesina, Gorski Kotar, 25. VI. and Plitvice Lakes, 29. VI. 1965 (Bouček).

Parasite of Cecidomyiidae (Dipt.), e. g. of *Dasyneura viciae* Kieffer. Widely distributed in Europe.

**Holcopelte sulciscuta** (Thomson, 1878)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Host unknown; associated with forest habitats. Probably whole Europe, to Transcaucasia.

**Hyperteles elongatus** (Förster, 1841)

HRV: Krapina (Hensch); Zalesina in Gorski Kotar, Zagreb-Gračani and Plitvice Lakes, VI. 1965 (Bouček). — CRG: Žabljak distr., VI. 1958 (Bouček).

Develops in galls of *Mikiola fagi* Hart. (Dipt., Cecidomyiidae) on *Fagus* leaves; is phytophagous according to some authors. Widely distributed in Europe.

**Hyperteles intermedius** (Thomson, 1878)

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček). — CRG: Durmitor Mts., Crno jezero, 25. VI. 1958 (Bouček).

No host record; associated with *Fagus*. Probably most of Europe.

**Ionympha carne** (Walker, 1839)

SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Host unknown. Recorded from Britain, Sweden, Czechoslovakia, Hungary and Italy.

**Melittobia acasta** (Walker, 1839)

SRB: Devojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Parasite mostly of solitary bees and wasps, but sometimes in cocoons or pupae of other insects, e. g. under bark (including *Laspeyresia pomonella* L.) etc. Mainly Europe (non-European records need confirmation).

**Mestocharis maculata** (Förster, 1841)

SRB: Fruška Gora, Grgetek, 6. VIII. 1917; Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Host unknown; another species of *Mestocharis* is a parasite in eggs of Dytiscidae (Col.). Mainly eastern Europe, from Germany to the Caucasus.

**Microlycus gyroefii** (Erdös, 1954)

HRV: Dugi Otok Isl., nr. Sali, and Biograd n/m, VII. 1968 (Bouček).

Host unknown (probably small Lepidoptera). Southern Europe, from Spain (n. rec.) to Bulgaria and up north to Czechoslovakia.

**Microlycus virens** Erdös, 1951

HRV: Biograd n/m, VII. 1968 (Bouček).

Host unknown; in xerothermic localities of southern Europe, from Algeria to Czechoslovakia.

**Miotropis unipuncta** (Nees, 1834)

SLO: Postojna, VII. 1958 (Coe). — HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Biograd n/m, VII. 1968 (Bouček). — SRB: Morović, VII. 1958 (Coe).

Ectoparasite of case-bearing larvae of the genus *Coleophora* (Lep.). Palaearctic in distribution.

**Necremnus artynes** (Walker, 1839)

HRV: Biograd n/m, 17. VII. 1968 (Bouček). — CRG: Borova Glava nr. Žabljak, 4. VII. 1958 (Dlabola). — MAK: S. Gradsko, ex *Vulkaniella pomposella* Zell. on *Salvia aethiopis*, 10. VI. 1971 (Bogavac).

Parasite of small Lepidoptera (the above Cosmopterygidae is the first host record), mainly in xerothermic habitats. Palaearctic in distribution.

**Necremnus croton** (Walker, 1839)

MAK: Petrina planina, ex *Pseudobankesia macedoniella* Reb., 27. VI. 1959 (Sieder).

Only the mentioned host known (Lep., Psychidae). Species previously recorded only from Britain.

**Necremnus folia** (Walker, 1839)

SRB: Devojački Bunar, Deliblat. Peščara, 28. VI. 1968 (Bouček). — CRG: Žabljak distr., 25. VI. 1958 (Bouček).

Host unknown. Widely distributed in Europe.

**Necremnus leucarthros** (Nees, 1834)

JUGOSL: [Bouček, 1959a]. — CRG: Durmitor Mts., 2. VII. 1958 (Bouček). — MAK: Novi Dojran, 7. VI. 1966 (Königsmann).

Parasite of Col., Chrysomelidae (e. g. *Crioceris asparagi* L., *Lema* spp.) and Curculionidae (mainly *Ceutorhynchus* and *Hypera* spp.). Whole Europe.

**Necremnus metalarus** (Walker, 1839)

HRV: Dalmatia [Bouček, 1959a].

Parasite of *Coleophora* spp. (Lep.). Widely distributed in Europe.

**Necremnus plumiferae** Bouček, 1974

MAK: Ceripašin Vrh, nr. Popova Šapka, 2000—2500 m, 25. VI. 1966 (Königsmann).

Reared from *Oreopsyche plumifera* Ochsenh. (Lep., Psychidae). Switzerland, Italy.

**Necremnus tidius** (Walker, 1839)

HRV: Gorski Kotar, ex *Argyresthia fundella* F. R. [Spaić, 1972]. — CRG: Žabljak distr., VI. 1958 (Bouček). — SRB: Dobra Voda, Goč Mts., 30. VI. 1968 (Bouček).

Parasite of Chrysomelidae and Curculionidae (Col.). From Britain and Sweden to Israel.

**Neochrysocharis albipes** Kurdjumov, 1912

HRV: Biograd n/m, 13. VII. 1968 (Bouček).

Reared from the Ichneumonid (Hym.) *Iseropus stercorator* F., a parasite of insects in grass stems. Czechoslovakia and Hungary to Ukraine (USSR).

**Neochrysocharis aratus** (Walker, 1838)

CRG: Boka Kotorska, Morinj, 7. VII. 1968 (Bouček).

Reared from puparia of *Oscinella frit* L. (Dipt., Chloropidae), a pest of cereals. From Britain to Ukraine.

**Neochrysocharis arvensis** Graham, 1963

CRG: Sutomore, 6. VII. 1968 (Bouček).

Host unknown. Recorded only from Britain.

**Neochrysocharis clinias** (Walker, 1838)

HRV: Zagreb-Gračani, 16. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).

Host unknown. Britain.

**Neochrysocharis cuprifrons** Erdös, 1954

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968 (Bouček).

Reared from stems of *Agropyrum intermedium* (probably parasitic on Diptera). From Britain to Moldavian SSR.

**Neochrysocharis iris** Erdös, 1954

SRB: Raška, V. 1969 (Marović).

No host known. Recorded only from Hungary.

**Olynx gallarum** (Linnaeus, 1761)

SLO: Piran, ex *Andricus kollaris* Hart. [Fahringer, 1921]. — HRV: Biograd n/m, 11. VII. 1965 (Bouček).

Parasite in galls of various Cynipidae (Hym.), mainly *Andricus* and *Neuroterus* spp., on deciduous oaks. Whole Europe.

**Olynx skianeuros** (Ratzeburg, 1844)

HRV: Krapina, 24. III. 1910 (Hensch); Pula, Istra, ex *Synergus gallaeponiformis* Fonsc. [Fahringer, 1921].

Parasite in galls of some Cynipidae, mainly *Biorhiza pallida* Ol. and some *Andricus* spp. on oaks. Widely distributed in Europe.

**Olynx trilineata** Mayr, 1877

HRV: Krapina (Hensch); Pula, Istra, ex *Cynips quercusfolii* L. and *Synergus pallicornis* Hart. [Fahringer, 1921].

Solitary ectoparasite of Cynipids in galls on oaks, mainly of various *Andricus* spp. From Britain to Yugoslavia.

**Omphale aethiops** Graham, 1963

HRV: Zagreb-Gračani, 16. VI. 1965 (Bouček).

Host (a Cecidomyiid) unknown. Recorded from Britain only.

**Omphale chryseis** Graham, 1963

CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Reported as parasite of *Contarinia medicaginis* Kieff. (Dipt., Cecidomyiidae), a pest of alfalfa. From Britain and Sweden to Yugoslavia.

**Omphale clymene** (Walker, 1839)

HRV: Zagreb-Gračani, 20. VI. and Plitvice Lakes, 29. VI. 1965 (Bouček).

Host Cecidomyiid unknown. Distributed from Britain to Czechoslovakia and Yugoslavia.

**Omphale clypealis** (Thomson, 1878)

CRG: Durmitor, nr. Crno jezero, 25. VI. 1958 (Bouček).

Reared from the Cecidomyiid *Dasyneura brassicae* Winn. Probably widely distributed in Europe, from Britain to Moldavian SSR.

**Omphale coilus** (Walker, 1839)

HRV: Zalesina in Gorski Kotar, 25. VI., Zagreb-Gračani, 18. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. and 6. VII. 1958 (Bouček).

Host not known (a record of *Leucoptera scitella* Zell. is very doubtful). Britain to Yugoslavia.

**Omphale connectens** Graham, 1963

HRV: Vinica nr. Varaždin, 19. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Host unknown. Recorded only from British Isles.

**Omphale erginnus** (Walker, 1839)

HRV: Spačva forest nr. Vinkovci, 21. VI. 1965 (Bouček).

Host unknown. Recorded from Britain and Hungary.

**Omphale lugens** (Nees, 1834)

HRV: Zalesina in Gorski Kotar and Spačva nr. Vinkovci, VI. 1965 (Bouček). — CRG: Žabljak district, VI. 1958 (Bouček).

Parasite of *Mikiola fagi* Hart. (Cecidomyiidae) in its galls on leaves of *Fagus*. Widely distributed in forests of Europe.

**Omphale nitens** Graham, 1963

HRV: Zalesina in Gorski Kotar and Spačva nr. Vinkovci, VI. 1965. (Bouček). — CRG: nr. Žabljak, VI. 1958 (Bouček).

No host known. Described from Britain.

**Omphale rubigus** (Walker, 1839)

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček).

Reared from *Trigonodiplosis* sp. (Dipt., Cecidomyiidae) on *Vicia cracca* L. From Britain throughout central Europe to Yugoslavia.

**Omphale salicis** Haliday, 1833

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zalesina, Gorski Kotar and Zagreb-Gračani, VI. 1965 (Bouček). — SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

As host recorded *Contarinia lentis* Aczel (Cecidomyiidae), which needs conformation. Widely distributed in Europe.

**Omphale theana** (Walker, 1839)

SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček).

Host unknown. Probably widely distributed but so far recorded only from Britain.

**Omphale versicolor** (Nees, 1834)

CRG: Durmitor Mts., VI. 1958 (Bouček).

Host still unknown. Widely distributed in Europe.

**Pediobius acantha** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zalesina, Gorski Kotar, 25. VI. and Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Isl. Ugljan, Kali, 12. VII. 1965 (Bouček). — SRB: Beograd-Košutnjak, 2. VII. 1968, Devojački Bunar and Rošljana, Deliblat. Peščara, 28. VI. 1968 (Bouček); Dubočica, Orjen Mts., 25. VII. 1968 (Marović). — CRG: Žabljak district, 25. VI — 2. VII. 1958 (Bouček, Dlabola). — MAK: Saraj nr. Skopje, 11. VI. 1966 and Ohrid, 17. VI. 1965 (Königsmann).

Common parasite of larvae of various lepidopterous and dipterous leaf-miners. From Britain throughout Europe to Azerbaijan and Iraq.

**Pediobius alcaeus** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zagreb-Gračani, VI. 1965 (Bouček).

Parasite of various *Phyllonorycter* spp. (Lep., Lithocolletidae) mining leaves of deciduous trees. Holarctic in distribution.

**Pediobius brachycerus** (Thomson, 1878)

HRV: Pula, Istra, ex *Tromatobia oculatoria* F. in egg-sack of *Latrodetes tredecimguttatus* Rossi [Rivosecchi & Bettini, 1959, as *Pediobius* sp.]; Biograd n/m, 11. VIII. 1965 (Bouček). — CRG: Šasko jezero, 14. VII. 1969 (Hoffer).

Endoparasite of larvae of Ichneumonidae developing as predators on eggs of spiders. Holarctic in distribution.

**Pediobius bruchicida** (Rondani, 1872) (= *obtusiceps* Bouček).

SRB: Melenci, ex *Stilpnobia salicis*, 13. IX. and 4. XI. 1968 (Vasić); Beograd, ex *Hyphantria cunea* [Russo & Viggiani, 1963], ex *S. salicis*, *Euproctis chrysorrhoea* and ex *Apanteles*, V., VIII. and IX. 1964, 1967 (Vasić); Pančevo, ex *Apanteles* sp., 17. VII. 1968 (Vasić). — MAK: Bitolj, ex *Apanteles* sp., VIII. 1969 (Vasić).

Primary or (often) secondary parasite in cocoons and pupae of various Lepidoptera and (cocoons of) their primary parasites such as Braconidae and Ichneumonidae. From central Europe to India.

**Pediobius cassidae** Erdős, 1958

SLO: Postojna, VII. 1958 (Coe). — HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — SRB: Vrška Čuka nr. Zaječar, 22. V. 1972 (Marović). — MAK: Demir Kapija, ex *Lymantria dispar*, 6. VI. 1968 (Vasić).

Primary or secondary endoparasite of eggs, larvae or pupae of various insects, including *Cassida* spp. (Col., Chrysomelidae), various Lepidoptera and their hymenopterous parasites. From Britain to Transcaucasia.

**Pediobius clita** (Walker, 1839)

HRV: Biograd n/m, 14. VII. 1965 (Bouček). — CRG: Budva [Bouček, 1965a]; Sutomore, 6. VII. 1968 (Bouček).

Endoparasite of some *Neuroterus* spp. (Hym., Cynipidae) in their leaf-galls on oaks. From Britain to Yugoslavia.

**Pediobius coxalis** Bouček, 1965

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zalesina, Gorski Kotar, 25. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček).

Host unknown. Czechoslovakia and Yugoslavia.

**Pediobius epigonus** (Walker, 1839)

SLO: Postojna, VII. 1958 (Coe). — CRG: Tara Canyon and Zmijnično jezero in Durmitor Mts., 26. VI. and 2. VII. 1958 (Bouček, Dlabora).

Parasite of small Diptera including *Mayetiola* spp. and *Oscinella frit* L. in stems of grasses. Whole Europe, also North America.

**Pediobius eubius** (Walker, 1839)

JUGOSL: [Bouček, 1965a]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Vinica nr. Varaždin, Spačva nr. Vinkovci, Plitvice Lakes and

Biograd n/m, VI. — VII. 1965 (Bouček). — CRG: Žabljak district, VI. — VII. 1958 (Bouček, Dlabora). — MAK: Mavrovo, 22. VI., Vodno and Saraj nr. Skopje, 31. VI. and 11. VI. 1966 and Ohrid, 17. VI. 1965 (Königsmann).

Parasite of insects in grass stems, e. g. of *Tetramesa* spp. (Hym., Eurytomidae). Holarctic in distribution.

**Pediobius facialis** (Giraud, 1863)

CRG: Morinj nr. Kotor, 7. VII. 1968 (Bouček).

Primary or secondary parasite in pupae of various small Lepidoptera and of their Braconid or Ichneumonid (Hym.) parasites. From Britain to southern Siberia (USSR).

**Pediobius foliorum** (Geoffroy, 1785) (= *cothurnatus* Nees)

SLO: Postojna, 26. VII. 1958 (Coe). — SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Hyperparasite of various caterpillars on leaves, via their primary parasites, the *Eulophus* spp. (Hym. Eulophidae). Holarctic in distribution.

**Pediobius lysis** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Spačva nr. Vinkovci, 21. VI. and Biograd n/m, VII. 1965 (Bouček).

Parasite of various Cynipid gall-makers in their galls on oaks. Throughout Europe.

**Pediobius polanensis** Bouček, 1965

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček).

Reared as parasite of *Tetramesa matrana* Erd. (Hym., Eurytomidae) in stems of *Arrhenatherum elatius*. Czechoslovakia, Hungary, Yugoslavia.

**Pediobius pyrgo** (Walker, 1839)

SRB: Novi Sad, ex *Stilpnobia salicis*, 6. VI. 1968 (Vasić); Ruma, ex *S. salicis*, IV. — VII. 1968 (Vasić); Beograd district, (?) ex *Microgaster globata* and *Angitia* sp. [Vukasović, 1928d, as *Chrysocharis* sp.], ex *Hyphantria cunea* [Russo & Viggiani, 1963], ex *Apanteles* sp., VIII. — X. 1964—1968 (Vasić); Čačak, ex *Leucoptera scitella* [OILB, 1971].

Primary or (often) secondary parasite of larvae and pupae of various Lepidoptera and their hymenopterous parasites, mainly of hosts sheltered by cocoons, rolled leaves or under leaf epidermis. Holarctic in distribution.

**Pediobius saulius** (Walker, 1839)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Biograd n/m, VII. 1965 and 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

**Pnigalio agraules** (Walker, 1839)

SLO: Postojna, VII. 1958 (Coe). — BH: Sarajevo, ex *Phyllonorycter blanchardella*, 1971 (Dimić).

Parasite of various leaf-mining larvae, mostly of Lepidoptera. Widely distributed in Europe, perhaps except the north.

**Pnigalio attis** (Walker, 1839)

CRG: Durmitor Mts., nr. Crno jezero, 25. VI. 1958 (Bouček).

Reared from *Heterarthrus ochropodus* Klug, a leaf-mining Tenthredinid (Hym.). Recorded from Britain, Czechoslovakia, Italy.

**Pnigalio hirtulus** (Erdös, 1954)

HRV: Biograd n/m, 10. VII. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček); Ulcinj, 22. VI. 1969 (Hoffer).

Host unknown. France, Czechoslovakia and Hungary.

**Pnigalio mediterraneus** Ferrière & Delucchi, 1957

HRV: Igrač nr. Slavonski Brod, ex *Phyllonorycter* sp. (Britvec); Isl. Pag and Dubrovnik [Baranov, 1939, as *Eulophus longulus*]; Split, ex *Prays cleae* F. [CILB, 1963].

Parasite of *Dacus oleae* Gmel. (Dipt., Trypetidae) and of some leaf-miners, mostly Lepidoptera, in circummediterranean countries.

**Pnigalio monilicornis** (Thomson, 1878)

CRG: Podgora nr. Žabljak, 2. VII. 1958 (Bouček).

Reared from *Pamphilius stramineipes* Hart. (Hym., Pamphiliidae). Recorded only from Sweden, Czechoslovakia and Switzerland.

**Pnigalio pectinicornis** (Linnaeus, 1758)

SLO: Postojna, VII. 1958 (Coe). — HRV: Zagreb-Gračani, VI. 1965 and Biograd n/m, VII. 1965, 1968 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blan-*  
*cardella*, 1971 (Dimić). — SRB: Morović, VII. 1958 (Coe). — CRG: Žabljak distr., VI. 1958 (Bouček). — MAK: Prespa-Golem Grad, VI. 1958 (Coe).

Common and variable parasite of various leaf-miners, mainly coleopterous and lepidopterous, on deciduous trees. Whole Europe.

**Pnigalio soemius** (Walker, 1839)

CRG: Durmitor Mts., VI. 1958 (Bouček). — MAK: Prespa-Otešovo, VI. 1955 (Coe).

Solitary ectoparasite of leaf-mining larvae, mainly of Coleoptera (*Rhynchosciurus* spp.) and Lepioptera. Widely distributed in Europe.

**Ratzeburgiola cristata** (Ratzeburg, 1848)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zadar, 30. VII. 1966 (Hoffer); Biograd n/m, 20. VII. 1968 (Bouček). — CRG: Ulcinj, 23. VI. 1969 (Hoffer). — MAK: Ohrid-Konjko, 18. VI. and Dojran Lake 7.—8. VI. 1966 (Königsmann).

Parasite of leaf-mining lepidopterous larvae, e. g. *Phyllonorycter* spp., mainly in the Mediterranean countries, but also in Britain and southern Czechoslovakia.

**Rhincopelte crassicornis** (Nees, 1834)

MAK: Mavrovo, 22. VI. 1966 (Königsmann).

Gregarious ectoparasite of caterpillars; reared from *Eugrapha sigma* D. Sch. and a *Scotia* sp. (Noctuidae). Central and southern Europe.

**Stenomesius rufescens** (Rossius, 1790)

CRG: Žabljak distr., VI. 1958 (Bouček); Ulcinj, 19. VI. 1969 (Hoffer).

Ectoparasite of various caterpillars (e. g. *Glyptopterygidae*, *Tortricidae*, *Pyralidae*). Throughout Europe, to Transcaucasia, also in North America (introduced).

**Sympiesis acalle** (Walker, 1848)

HRV: Krapina (Hensch); Biograd n/m, VII. 1968 (Bouček). — BH: Sarajevo, ex *Phyllonorycter blancardella* F., 1971 (Dimić). — SRB: Čačak, ex *Leucopatra scitella* Zell. [OILB, 1971]. — CRG: Sutomore, 6. VII. 1968 (Bouček).

Primary or secondary parasite, mainly of leaf-mining caterpillars. From Canary Islands to Sweden and Transcaucasia.

**Sympiesis angustipennis** (Erdös, 1954)

JUGOSL: [Bouček & Askew, 1968]. — HRV: Zadar, 24. VII. 1966 (Hoffer); Biograd n/m, 13. VII. 1965 and 1968, Sali on Dugi Otok Isl., 18. VII. 1968 (Bouček). — MAK: Makedonski Brod, 1. VI. 1966 (Königsmann).

Host unknown (associated with grasses). Czechoslovakia, Hungary, Yugoslavia, Italy and Spain (n. rec.).

**Sympiesis euspileapterygis** (Erdös, 1958)

CRG: Žabljak distr., 29. VI. 1958 (Bouček).

Parasite of leaf-miners belonging to *Lithocolletidae* (Lep.). Mainly central Europe, from Poland to Yugoslavia.

**Sympiesis flavopicta** Bouček, 1959

SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zadar, 24. VII. 1966 (Woffer); Biograd n/m, VII. 1968 (Bouček). — CRG: Žabljak distr. [Bouček, 1959a]. — SRB: Rošijana and Grebenac, 28., 29. VI. 1968, and Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite of leaf-miners in xerothermic habitats. From Germany and Spain (n. rec.) to Central Asia and Pakistan (n. rec.).

**Sympiesis gordius** (Walker, 1839)

JUGOSL: ex *Phyllonoryct. platani* [CILB, 1960, as *S. stramineipes*]. — HRV: Zagreb-Rim, ex *Phyllonorycter blancardella*, 22. VII. 1968 (Arčanin); Igrač nr. Slavonski Brod, ex *Phyllonorycter* sp., 1965 (Britvec); Spačva nr. Vinkovci, 21. VI. 1965 (Bouček); Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd distr., ex *Phyll. platani* [Bogavac, 1959]; Beograd-Košutnjak, 2. VII. 1968 (Bouček). — BH: Sarajevo, ex *Phyll. blancardella*, 1971 (Dimić).

Solitary ectoparasite of leaf-mining lepidopterous larvae, usually primary, occasionally secondary. West Palaearctic in distribution.

**Sympiesis grahami** Erdös, 1966

YUGOSL: [Bouček & Askew, 1968].

Probably only a form of *S. sericeicornis* (Nees) (see below), to which it is similar also in biology. Recorded from Britain, Hungary, Yugoslavia and Azerbaijan.

**Sympiesis gregori** Bouček, 1959

HRV: Zadar, 30. VII. 1966 (Hoffer); Biograd n/m, 14. VII. 1968 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasite of some lepidopterous leaf-miners (e. g. *Aspilapteryx*, *Phyllonorycter* spp.) on xerophilous plants. From Britain and Czechoslovakia to Morocco and Azerbaijan.

**Sympiesis gyrofpii** Erdős, 1954

HRV: Biograd n/m, 11. VII. 1968 (Bouček).

Parasite of some caterpillars mining leaves (*Phyllonorycter* spp.) or feeding in rolled-up leaves (Tortricidae). France and Poland to Yugoslavia, also Israel.

**Sympiesis sandanis** (Walker, 1839)

SLO: Postojna, VII. 1958 (Coe). — HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček). — SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček). — MAK: Mavrovo, 22. VI. and Ohrid, 20. VI. 1966 (Königsmann).

Parasite of lepidopterous leaf-miners (e. g. Lithocolletidae) or of small caterpillars of Tortricidae; mainly in dry habitats such as on limestone or sand. Widely distributed in Europe.

**Sympiesis sericeicornis** (Nees, 1834)

JUGOSL: [CILB, 1960]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 (Bouček); Igrač nr. Slavonski Brod, ex *Phyllonorycter* sp. (Britvec); Biograd n/m, VII. 1968 (Bouček). — BH: Sarajevo, ex *Phyllon. blanca* delli, 1971 (Dimić). — SRB: Beograd distr., ex *Ph. platani* [Bogavec, 1959]; Čačak, ex *Leucoptera scitella* [OILB, 1971]. — CRG: Žabljak distr., VI. 1958 (Bouček). — MAK: Prespa-Otešev, VI. 1955 (Coe).

Common ectoparasite of many species of lepidopterous or other larvae mining leaves or developing in rolled-up leaves, usually primary, sometimes secondary (attacking primary parasites like *Apanteles* spp. etc.). Widely distributed in Palaearctic region.

**Sympiesis thapsiana** Bouček, 1974

HRV: Biograd n/m [Bouček, 1974b].

Parasite of *Epinotia thapsiana* Zell. (Lep., Tortricidae). Italy and Yugoslavia.

**Sympiesis viridula** (Thomson, 1878)

JUGOSL: ex *Gortyna flavago* Schiff. and *Pyrausta nubilalis* Hbn. [CILB, 1963]; northern Yugosl. [Hergula, 1929]. — HRV: Krapina (Hensch); Zagreb [Hergula, 1931]; Dalmatia (?), Parker & al., 1929, as *Hemiptarsenus unguicellus* ex *Pyrausta nubilalis*. — BH: Klepči nr. Čapljina, ex *Sesamia cretica* Led. [Bouček, 1959a; Hadžistević, 1961].

Gregarious ectoparasite of lepidopterous larvae boring in stems and some other tissues of plants (not leaf-mining). Widely distributed in Europe, also North America (introduced).

**Sympiesis xanthostoma** (Nees, 1834)

JUGOSL: [Bouček, 1959a]. — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Ectoparasite of lepidopterous larvae, mainly of Tortricidae, less often of some leaf-miners (*Phyllonorycter* spp.). Whole Europe, also Transcaucasia.

**Teleopterus delucchii** Bouček, 1971

HRV: Bistrac [Bouček, 1971b].

Parasite in eggs (e. g. *Caliroa cerasi* L., Tenthredinidae, Hym.) on leaves or in small larvae of some lepidopterous leaf-miners (*Stigmella melella* Stnt., *Phyllonorycter messaniella* Zell.). From Poland and Moldavian SSR to Yugoslavia and Italy.

**Teleopterus erxias** (Walker, 1848)

HRV: Bistrac, ex *Stigmella malella*, 13. IX. 1965 (Britvec); Spačva nr. Vinovci, 21. VI. 1965 (Bouček). — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Endoparasite of eggs or small larvae on leaves, e. g. of *Cassida* spp. (Col., Chrysomelidae) and of Tenthredinidae (*Anoplonyx*, *Heterarthrus*). From Britain to Italy and Moldavian SSR.

**Tetrastichus agrilorum** (Ratzeburg, 1844)

JUGOSL: ex *Agrilus rubicola* Ab. [Domenichini, 1967; OILB, 1971].

Gregarious endoparasite of larvae of *Agrilus* spp. (Col., Buprestidae). Apparently widely distributed in Europe.

**Tetrastichus amethystinus** (Ratzeburg, 1848)

SRB: Čačak, ex *Leucoptera scitella* Zell. [OILB, 1971]. — CRG: Ulcinj, 23. VI. 1969 (Hoffer).

Parasite of various small larvae, mainly of lepidopterous leaf-miners (*Phyllonorycter* spp. etc.), occasionally hyperparasitic. Widely distributed in Europe.

**Tetrastichus apama** (Walker, 1839)

CRG: Žabljak distr., VI. 1958 (Bouček).

Host unknown; probably associated with *Phragmites*. Recorded from Britain, Sweden and Hungary.

**Tetrastichus aristaeus** (Walker, 1839)

HRV: Zagreb-Gračani, 20. VI. 1965 (Bouček).

Host not known. Probably widely distributed in Europe.

**Tetrastichus brevicornis** (Panzer, 1804)

HRV: Krapina (Hensch); Zagreb-Gračani, VI. 1965 and Biograd n/m, VII. 1965, 1968 (Bouček). — SRB: Beograd, ex *Conchylidia implicitans* Wlk. [CILB, 1963]; Dobra Voda, Goč, VI. 1968 (Bouček). — CRG: Bar and Ulcinj, VI., VII. 1969 (Hoffer). — MAK: Mavrovo, VI. 1966 (Königsmann).

Common parasite of gall-making Cecidomyiidae, in particular of *Asphondyla* spp.; occasionally recorded from other hosts, but these need confirmation. Palaearctic in distribution.

**Tetrastichus ciliatus** (Nees, 1834)

HRV: Biograd n/m, VII. 1965 (Bouček). — SRB: Rošijana, Deliblat. Peščara, 28. VI. 1968 (Bouček).

Host unknown; associated with grasses. Widely distributed in Europe.

**Tetrastichus crino** (Walker, 1838)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Podgora nr. Žabljak, 6. VII. 1958 (Bouček).

Parasite in eggs of *Oecanthus* spp. (Orthopt., Gryllidae) laid in tissues of herbaceous plants. Holarctic in distribution.

**Tetrastichus ecus** (Walker, 1838)

JUGOSL: ex *Phyllonorycter platani* Stgr. [CILB, 1960, as *T. xanthops*]. — SLO: Postojna, VII. 1958 (Coe). — HRV: Bistrac, ex *Stigmella malella* Stnt., 13. IX. 1965 (Britvec). — BH: Sarajevo, ex *Phyl. blanckardella* F., 1971 (Dimić). — SRB: Beograd distr., ex *Ph. platani* [Bogavac, 1959, as *T. xanthops*]; Čačak, ex *Leucoptera scitella* Zell. and *Stigm. malella* [OILB, 1971].

Parasite, mostly primary, of small leaf-mining larvae, mostly of Lepidoptera. Holarctic in distribution.

**Tetrastichus epilachnae** (Giard, 1896)

JUGOSL: [Domenichini, 1966b]. — HRV: Osijek, Vukovar, ex *Subcoccinella vigintiquatuorpunctata* L. [Tanasijević, 1958]. — SRB (whole): ex *S. vigintiquat.* [Tanasijević, 1958]. — MAK: Gostivar and Topolča, ex *S. vigintiquat.* [Tanasijević, 1958].

Endoparasite of phytophagous Chrysomelidae (Col.). Southern Europe up to Hungary.

**Tetrastichus evonymellae** (Bouché, 1834)

BH: districts of Mostar, Sarajevo, Kalinovnik and eastern Herzegovina, ex *Yponomeuta malinella* and *Y. padella* [Vaclav, 1958, as *T. evonymellae* and *T. crassinervis*]. — SRB: Beograd distr., ex *Ypon. malinella* and its hymenopterous parasites [Vukasović, 1927a, 1928d, 1929b, 1932c, 1933a; as *T. crassinervis*]; various localities, ex *Y. malinella* [Bogavac, 1964]; Deliblat. Peščara, 1971 (Lekić).

Parasite of *Yponomeuta* spp. (Lep., Yponomeutidae) and of their primary parasites (e. g. Ichneumonidae). Whole Europe to Transcaucasia.

**Tetrastichus galactopus** (Ratzeburg, 1844) (= *rupo* auct.)

SRB: Beograd distr., hyperparasite of *Pieris brassicae* L. [Vukasović, 1925b, as *T. vinulae*, 1926c, 1928d, as *T. rupo*].

Hyperparasite of Pieridae (Lep.) via their primary hymenopterous parasites, in particular *Apanteles glomeratus* L. Holarctic in distribution, also New Zealand (introduced).

**Tetrastichus galerucae** (Fonscolombe, 1832)

JUGOSL: [Domenichini, 1966b]. — CRG: Žabljak distr., VI. 1958 (Bouček). Parasite in eggs of *Galerucella luteola* Müll. (Col., Chrysomelidae). Widely distributed in Europe, also recorded from Iran and India and (introduced into) North America.

**Tetrastichus gentilei** Del Guercio, 1911

HRV: Islands of south-Adriatic coast [Tominić, 1950].

Parasite of various Phloeoethripidae (Thysanopt.) of genera *Hoplothrips*, *Gynaikothrips*, *Liothrips*. Almost cosmopolitan.

**Tetrastichus hagenowii** (Ratzeburg, 1852)

HRV: Krapina (Hensch).

Parasitic in eggs (oothecae) of Blattidae. Almost cosmopolitan: mainly countries with warm climate.

**Tetrastichus halidayi** (Graham, 1961)

SLO: Postojna, 19. VII. 1958 (Coe).

Reared from *Argopus ahrensi* German. (Chrysomelidae). Widely distributed in Europe.

**Tetrastichus heeringi** Delucchi, 1954

JUGOSL: ex *Agrilus rubicola* Ab. [Domenichini, 1967; OILB, 1971]. — SRB: Valjevo, ex *Oecanthus pellucens* Scop. [OILB, 1971, doubtful host record]. — CRG: Mrčeve Polje, ex *Agrilus sinuatus* Ol. [Mijušković, 1971].

Parasite of larvae of *Agrilus* spp. (Col., Buprestidae). From Sweden to Italy and Moldavian SSR.

**Tetrastichus hylotomarum** (Bouché, 1834)

SRB: Arboretum nr. ?Beograd, ex *Arge rosae*, 17. IX. 1966 (M. S.).

Parasite of larvae and pupae of Argidae and Tenthredinidae (Hym.). West Palaearctic.

**Tetrastichus italicus** Domenichini, 1967

HRV: Mali Losinj, IX. 1964 (Mikula); Isl. Ugljan, 12. VII. 1965 (Bouček) and 25. VII. 1966 (Hoffer); Biograd n/m, 7. VII. 1965 (Bouček). — CRG: Bar, 18. VI. 1969 (Hoffer).

Reared from *Asphondylia dorycnii* Löw (Dipt., Cecidomyiidae), a gall-maker on *Dorycnium pentaphyllum*. Southern Europe, from Spain (n. rec.) to Yugoslavia.

**Tetrastichus julis** (Walker, 1839)

MAK: ex *Lema melanopus* L. [Bjegović, 1971].

Parasite of larvae of *Lema* (and *Oulema*) spp. (Col., Chrysomelidae). Widely distributed in Europe.

**Tetrastichus leucone** (Walker, 1839)

HRV: Vinica nr. Varaždin, 19. VI. 1965 (Bouček).

Host not known. Widely distributed in Europe.

**Tetrastichus lycidas** (Walker, 1839)

CRG: Žabljak distr., VI. 1958 (Bouček).

Parasite of Cecidomyiidae in their leaf-galls on *Fagus*; reared from *Hartigia annulipes* Hart. Widely distributed in Europe.

**Tetrastichus murcia** (Walker, 1839)

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček). — CRG: Sutomore, 6. VII. 1968 (Bouček).

Probably parasitic in puparia of Syrphidae (Dipt.). From Britain to Yugoslavia.

**Tetrastichus ovivorax** Silvestri, 1920

HRV: Krapina (Hensch).

Parasite in eggs of *Oecanthus pellucens* Scop. (Orthopt., Gryllidae). Central and southern Europe.

**Tetrastichus percaudatus** Silvestri, 1920

JUGOSL: [Domenichini, 1966]. — HRV: Biograd n/m, VII. 1966 (Hoffer) and VII. 1968 (Bouček). — SRB: Valjevo and Resen (?), ex *Oecanthus pellucens* [Domenichini, 1967; OILB, 1971]. — CRG: Sutomore, 6. VII. 1968 (Bouček).

Parasite in eggs of *Oecanthus* as the preceding. Southern Europe.

**Tetrastichus platanellus** (Mercet, 1922)

JUGOSL: [CILB, 1960; Domenichini, 1966b]. — SRB: Beograd distr., ex *Phyllonorycter platani* Strgr. [Bogavac, 1959].

Parasite of leaf-mining caterpillars, occasionally of their other primary parasites, on broad leaves of some trees like *Platanus*, *Quercus*, *Prunus*. Southern Europe up to Czechoslovakia. Very close to *Tetrastr. ecus* (Walker), sometimes regarded as its form.

**Tetrastichus postmarginalis** Bouček, 1971

HRV: Zagreb-Gračani, 18. VI. 1965 (Bouček); Isl. Ugljan and Biograd n/m [Bouček, 1971b]. — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Reared from an Aphid. Southern Europe, up to Czechoslovakia.

**Tetrastichus principiae** Domenichini, 1966

HRV: Biograd n/m, VII. 1968 (Bouček). — SRB: Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Parasitic in cocoons of *Chrysopa* spp. (Neuropt., Chrysopidae). Central and southern Europe.

**Tetrastichus pubescens** (Nees, 1834)

SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Parasite of Psyllidae. From Britain to Yugoslavia.

**Tetrastichus pygmaeolus** (Erdös, 1958)

HRV: Mt. Lisina, Istra [Domenichini, 1967].

Reared from *Trioza rumicis* Löw. (Homopt., Psyllidae). Recorded from France, Yugoslavia and Hungary.

**Tetrastichus sajoi** Skelényi, 1941

HRV: Spačva nr. Vinkovci, 21. VI. 1965, Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček); Biograd n/m, VII. 1965 and 1966 (Bouček, Hoffer). — SRB: Čačak, ex *Eriophyes phloeocoptes* Nal. [OILB, 1971]. — CRG: Ulcinj, 22. VI. 1969 (Hoffer).

Parasite in galls of the mentioned host (Acarina, Eriophyidae). From Britain to Moldavian SSR.

**Tetrastichus sempronius** Erdös, 1954

HRV: Spačva nr. Vinkovci, 21. VI. 1965 (Bouček).

Parasite in cocoons of *Chrysopa* spp. (Neuropt., Chrysopidae). Widely distributed in Europe, also Egypt.

**Tetrastichus servadeii** Domenichini, 1966

HRV: Isl. Cres, ex *Thaumatopeoa pityocampa* [Androić, 1956, 1957, as *Tetrastr. tibialis*]; Split, ex *T. pityocampa* [CILB, 1960, as *T. tibialis*].

Parasite in eggs of *Thaumatopeoa* spp. (Lep., Thaumatopeidae), usually primary. Southern Europe, North Africa to Israel and Turkey.

**Tetrastichus sicarius** Silvestri, 1915

CRG: Mrčovo Polje, ex *Agrilus sinuatus* Ol. [OILB, 1971].

Described as a parasite of Diaspididae (Coccids) in Erythrea; the above record needs confirmation.

**Tetrastichus strobilanae** (Ratzeburg, 1844)

HRV: Kutjevo, Krndija Mts., 1966 (Harapin).

Parasite, primary or secondary, of various Cecidomyiidae in cones of *Picea*. Widely distributed in Europe.

**Tetrastichus turionum** (Hartig, 1839)

SRB: Maljen [Domenichini, 1966a, as Magles]; Beograd district, Kragujevac, Oplenac, Maljen, Goč, hyperparasite of *Rhyacionia buoliana* [Vasić, 1967].

Primary or secondary parasite (in latter case via other hymenopterous parasites) of Tortricidae and Gelechiidae on shoots of *Pinus*. Widely distributed in Europe, introduced into North America.

**Tetrastichus tymber** (Walker, 1839)

JUGOSL: [Domenichini, 1966b; OILB, 1971]. — SRB: ?Zemun, ex *Lasioptera rubi* Schr. [Domenichini, 1967]; Valjevo and Čačak, ex *L. rubi* [Simova-Tošić & Dobrivojević, 1966].

Endoparasite of larvae of the mentioned Cecidomyiid in its galls on twigs of *Rubus*. Widely distributed in Europe.

**Tetrastichus upis** (Walker, 1839)

SRB: Dobra Voda, Goč, 1. VII. 1968 (Bouček).

Parasite of Psyllodea, e. g. reared from *Trioza urticae* L. Widely distributed in Europe.

**Tetrastichus vincius** (Walker, 1839)

JUGOSL: [Domenichini, 1966b]. — SLO: ex *Thomasiniana theobaldi* Barn. [Masten, 1958, as *Tetrastr. inunctus*].

Parasite of the mentioned Cecidomyiid. Probably widely distributed in Europe.

**Tetrastichus xanthosoma** Graham, 1974

HRV: Biograd n/m, 14. VII. 1965 (Bouček).

Recorded as parasite in galls of *Massalongia rubra* Kieff. (Dipt. Cecidomyiidae) on leaves of *Betula* in Britain, otherwise distributed from Sweden to Italy.

**Wichmannia decorata** Ruschka, 1916

HRV: Istra, ex *Spartium junceum* L. infested with *Liparthrum albidum* Wichm. [Ruschka, 1916; Bouček, 1963b].

Parasite of Scolytidae in twigs of *Spartium*. Circummediterranean countries.

**Xanthellum transylvanicum** Erdős, 1951

HRV: Vinica nr. Varaždin, 19. VI. 1965 and Biograd n/m, 13. VII. 1968 (Bouček). — SRB: Bukulja, Šumadija, 27. VI. 1968 (Bouček). — CRG: Podgora nr. Žabljak, 30. VI. 1958 (Bouček).

Gregarious ectoparasite of case-bearing larvae of Psychidae (Lep.), e. g. of *Fumaria* and *Talaeporia* spp. Widely distributed in Europe.

## ELASMIDAE

**Elasmus albipennis** Thomson, 1878

HRV: Isl. Ugljan, nr. Kali, 12. VII. 1965 (Bouček). — SRB: Obrenovac, ex *Vanessa cardui*, VII. 1962 (Hadžistević); Beograd, ex *Psammotis hyalinalis* Hbn. [Ferrière, 1947].

Mostly secondary (through e. g. *Apanteles* spp.), rarely primary parasite of some medium-sized lepidopterous larvae, e. g. of genera *Yponomeuta*, *Semiasia*, *Simaethis*. Probably whole Europe.

**Elasmus anius** Walker, 1846

HRV: Biograd n/m, 11. VII. 1968 (Bouček).

Host not known. Previously recorded only from Britain.

**Elasmus flabellatus** (Fonscolombe, 1832)

BH: Mostar and Sarajevo districts, eastern Herzegovina, ex *Mesochorus confusus* Holmg. [Vaclav, 1958]. — SRB: Beograd distr., ex Braconidae (*Microgaster*, *Hormius*, *Macrocentrus*) and Ichneumonidae (*Angitia*, *Limneria*) [Vukasović, 1927b, 1928d, 1929a, 1929b, 1933a].

Hyperparasite of various Lepidoptera, through their primary parasites, Braconidae and Ichneumonidae. Central and southern Europe; most earlier records need confirmation in view of the taxonomic difficulties.

**Elasmus giraudi** Ferrière, 1947

HRV: Dundo forest, ?Isl. Rab [Ferrière, 1947]; Biograd n/m, VII. 1968 (Bouček).

Parasite of Psychidae (Lep.). Mainly southern Europe.

**Elasmus platyedrae** Ferrière, 1935

HRV: Biograd n/m and Sali, Dugi Otok, VII. 1968 (Bouček); Metković [Ferrière, 1947, as *El. elongatus*]. — MAK: Struumica, 1. IX. 1969 (Binčev).

Reared from *Pectinophora gossypiella* Saund. (Lep., Gelechiidae) in Egypt. Widely distributed in the Mediterranean subregion, up to Czechoslovakia.

**Elasmus nowickii** Ferrière, 1947

HRV: Biograd n/m, 17. VII. 1968 (Bouček).

Host unknown. Recorded only from southern France.

**Elasmus rufiventris** Ferrière, 1947

HRV: Zadar, 30. VII. 1966 (Hoffer); Biograd n/m, 8. VII. 1965 (Bouček).

Reared from Lepidoptera *Meessia leopoldella* Costa (Incurvariidae) and *Luffia lapidella* Goeze (Psychidae). Southern Europe.

**Elasmus steffani** Viggiani, 1967 (= *masii* Steffan, 1962)

HRV: Dalmatia(?), ex *Prays oleae* [Tomić, 1958, as *E. flabellatus*]; Biograd n/m, VI. 1965 and Isl. Ugljan, Kali, 17. VII. 1965 (Bouček).

Associated usually with olive trees, reared e. g. from *Prays oleae* Bern. (Lep., Plutellidae). Widely distributed in Mediterranean countries.

**Elasmus viridiceps** Thomson, 1878

SRB: Devojački Bunar, Deliblat. Peščara, 28. VI. and Dobra Voda, Goč, 30. VI. 1968 (Bouček).

Primary or secondary parasite of Lepidoptera (*Sparganothis*, *Coleophora*). Widely distributed in Europe.

## TRICHOGRAMMATIDAE

**Aphelinoidea bischoffi** (Nowicki, 1946)

HRV: Zadar, 24. VII. 1966 (Hoffer).

Egg parasite; host unknown. Recorded from Austria and Spain.

**Aphelinoidea dolichoptera** Nowicki, 1933

HRV: Biograd n/m, 11. VII. 1968 (Bouček).

Egg parasite; host unknown. Recorded from Italy, Hungary and Poland.

**Bloodiella andalusica** Nowicki, 1935

YUGOSL: [Nowicki, 1940].

Host unknown. Species recorded from Spain, southern France, Corsica, Poland, Yugoslavia and Turkey.

**Oligosita tominici** Bakkendorf, 1971

HRV: Split, ex *Erythroneura eburnea* Fieber [Bakkendorf, 1971].

Reared from the above host on *Vitis vinifera*. Yugoslavia.

**Ophioneurus signatus** Ratzeburg, 1852

HRV: Biograd n/m, 7. VII. 1965 (Bouček).

Parasite in eggs of Curculionids, mainly of *Byctiscus betulae* L. and *Rhynchites caeruleus* DeG. on deciduous trees. Widely distributed in Europe.

**Poropoea stollerckii** Förster, 1851

HRV: Biograd n/m, 11. VII. 1965 (Bouček). — CRG: Tara Canyon near Žabljak, 6. VII. 1958 (Bouček).

Parasite in eggs of the weevil *Attelabus nitens* Scop. on oaks. Whole Europe.

**Trichogramma evanescens** Westwood, 1833

SRB: Vrbice, Banat [Jovanić, 1953]; Beograd district, also ex Syrphinae (!) [Vukasović, 1925b, 1926c, 1928d], ex *Laspeyresia pomonella* L. [Tadić, 1956].

Widespread European parasite in eggs of many insects, mainly of Lepidoptera.

**Trichogramma minutum** Riley, 1871

SRB: Beograd district, ex eggs of *Laspeyresia pomonella* L. [Bragina, 1926].

This parasite in eggs of many insects (but mainly Lepidoptera) is of American origin and the record from Yugoslavia may be based on misidentification.

**Ufens dilativena** Nowicki, 1940

HRV: Šumet near Dubrovnik [Nowicki, 1940].  
Egg parasite; host unknown. Yugoslavia and Bulgaria.

MYMARIDAE

**Anagrus atomus** (Linnaeus, 1767)

HRV: Split, ex *Erythroneura eburnea* Fieber [Bakkendorf, 1971].  
Egg parasite, known mainly from eggs of Homoptera Auchenorrhyncha.  
Widely distributed but still little known.

**Anaphes avalae** (Soyka, 1955)

SRB: Beograd-Avala [Soyka, 1955, as *Mymar a.*].  
Certainly egg parasite, but host unknown. Yugoslavia.

**Anaphes flavipes** (Förster, 1841)

SRB: [Bjegović, 1971]; Zemun [Dyssart, 1971]. MAK?: [Bjegović, 1971].  
Parasite in eggs of the Chrysomelid *Oulema melanopus* L. Widespread in southern Europe, introduced to North America.

**Anaphes lemae** Bakkendorf, 1970

SRB: Grocka [Bakkendorf, 1970].  
Parasite in eggs of *Oulema melanopus* L., recorded from Poland, France and Yugoslavia. Very close to, if not conspecific with the preceding species.

**Anaphoidea serbica** Soyka, 1949

SRB: Andrejanica [Soyka, 1949].  
Host unknown. Described from Yugoslavia and not recognised since.

**Erythmelus gooichi** Enock, 1909

HRV: Šaulovec nr. Varaždin, 1. IX. 1975, leaves of apple-tree (Ciglar).  
Parasite in eggs of Miridae (Heteroptera). Recorded from Britain, Belgium, Holland and Denmark, probably widely distributed in Europe.

**Ooctonus soykai** Hincks, 1952

HRV: Rovinj, Istra, 18. V. 1966 (Daniel).  
Host unknown. Widely distributed in Europe but little known.

**Polynema atrosimile** Soyka, 1956

SRB: Avala near Beograd [Soyka, 1956].  
Egg parasite, host unknown. Recorded from Yugoslavia only.

**Polynema woodi** Hincks, 1950

SRB: Velika Kikinda, ex »Coccids« [CILB, 1960].

Egg parasite reared from *Idiocerus populi* L. Recorded also from Britain, Denmark and Italy.

**Stephanodes similis** (Förster, 1847)

HRV: Rovinj, Istra, 18. V. 1966 (Daniel); Osijek, IX. 1967 (Arčanin). —  
MAK: Ohrid district, VI. 1966 (Königsmann).  
Host of this egg parasite still not known for certain. Whole Europe.

TAXONOMIC APPENDIX

With the classification of the European Chalcidoidea not yet satisfactorily stabilized some changes of names have become necessary during the preparation of this paper and before it could be actually printed. It was intended to explain the changes elsewhere, but at least brief comments are included here.

Torymidae

Jointly with Dr. Graham a paper on the European *Torymus* is being prepared. Two species are mentioned here.

*Torymus geranii* (Walker) is the species often called *T. cingulatus* in the past but not identical with *T. cingulatus* Nees.

*Torymus laetus* (Walker) is the species often called in the past incorrectly *T. purpurascens*.

As I stated in a recent paper (1976, J. ent. Soc. sth. Afr. 39:347), *Antistrophoplex* Crawford must replace *Paraholaspis* Masi and *Plastotorymus* Masi. It results in the following changes in the present paper:

*Antistrophoplex cothurnatus* (Masi), comb. nova, and *Antistrophoplex robustus* (Bouček), comb. nova, both originally described as *Paraholaspis*.

Ormyridae

*Ormyrus nitidulus* (Fabricius), comb. nova, from *Chalcis*. *Chalcis nitidula* Fabricius, 1804 (*Systema Piezatorum*, p. 163), originally described from »Barbaria« (= North Africa, probably Algeria or Morocco), is the same species as *Ormyrus tubulosus* Westwood which becomes its junior subjective synonym (syn. nova). Thanks to Dr. B. Petersen from the Copenhagen Univ. Museum I was enabled to examine the only extant type, a female here designated lectotype, which earlier belonged to the Kiel (Fabrician) collection.

*Ormyrus orientalis* Walker, originally described from Ceylon (= Sri Lanka), appears to be the same species as *O. hungaricus* Erdős (syn. nova; latter a junior synonym of *orientalis*). The only extant female type of *orientalis*, in BMNH London, is here designated lectotype. Like most of the Indian specimens it is predominantly bluish metallic, whilst most Mediterranean specimens are greenish or slightly brassy to cupreous. The metallic colour, however, varies even in the Indian specimens some of which do not differ at all from

the European ones. Apart from many specimens from southern Europe I have also examined some from Turkey, Iraq, Azerbaijan (USSR), Iran, Afghanistan, Pakistan, India and Sri Lanka.

When more is known about the relationship of various groups, Ormyridae may be classified as a subfamily of Pteromalidae.

#### Pteromalidae

*Habrocytus cerealellae* Ashmead, known in literature mainly as a species associated with stored grain, appears, from my study of the type material of *cerealellae* in Washington, D. C. (USNM) and of many specimens of various provenience, a junior synonym of *Habrocytus semotus* (Walker) (syn. nova).

As stated before (Bouček, 1970b:52) the species sometimes classified under the generic name *Gitognathus* Thomson should be attributed to *Sphaeripalpus* Förster. *Gitognathus* was unnecessarily proposed (in the language of the Code of the Zoological Nomenclature) to replace *Sphaeripalpus*, hence both names have as type-species *S. viridis* Förster. In the mentioned paper I recombined *S. laevis* (Delucchi), the following three species are formally reclassified here:

*Sphaeripalpus fuscipes* (Walker), comb. nova, originally as *Miscogaster*; *Sphaeripalpus grandiclava* (Thomson), comb. nova, from *Gitognathus*; *Sphaeripalpus laevigatus* (Delucchi), comb. nova, originally described in *Stictomischus*.

*Stenomalina gracilis* (Walker) appears to be the valid name for a common species often called »*Stenomalina muscarum*«. However, the latter name is based on *Ichneumon muscarum* Linnaeus which cannot be a species of *Stenomalina*, as pointed out e. g. by Graham (1969:611).

#### Eucharitidae

In 1956 I proposed *Pachyeucharis* as a subgeneric name for a species-group of the genus *Eucharis* Latreille (Bull. Res. Counc. Israel 5B:251). As is explained in more detail in another paper the species-group is now regarded as a good genus. In the meantime I could study the type-species of *Psilogaster* Blanchard, *P. cuprea* Blanchard from Egypt (the lectotype male, here designated, in MNHN Paris) and found that it belongs to the same genus. However, Ghesquière found that *Psilogaster* was preoccupied (by a name in Lepidoptera) and changed it to *Psilogastrellus* (1946, Rev. Zool. Bot. Afr. 39: :368). Consequently *Pachyeucharis* becomes a junior synonym of *Psilogastrellus* (syn. nova) and the valid name for the Yugoslavian species is *Psilogastrellus punctatus* (Förster), comb. nova, from *Eucharis*. Among other species belonging here is *Psilogastrellus fulviventris* (Gussakovskij) (also originally described as *Eucharis*), as already used in this combination in a paper in Azerbaijan, by Rzaeva (1971, Izvest. Akad. N. Azerb. SSR, S. biol. N., 3:87), on the basis of my identification.

#### Eupelmidae

*Anastatus japonicus* Ashmead was found to be the same species as *A. disparis* Ruschka first in Japan and the synonymy was published there in 1965 (by Tachikawa, in Iconographia Insectorum Japonicorum, 3:281), in a Japanese

text to the colour figures. Both names were given to the same parasite i.e. eggs of *Lymantria dispar* (L.), the earlier name has been used in Japan, *A. disparis* in Europe; apparently *japonicus* has priority.

#### Eulophidae

The species listed previously under *Achrysocharella* Girault and *Achrysocharis* Girault are now more correctly classified under *Chrysonotomyia* Ashmead:

*Chrysonotomyia albiscapus* (Erdös), comb. nova, originally in *Neochrysocharis*; *Chrysonotomyia chlorogaster* (Erdös), comb. nova, from *Achrysocharella*; *Chrysonotomyia formosa* (Westwood), comb. nova, originally in *Closterocerus*; *Chrysonotomyia germanica* (Erdös), comb. nova, originally in *Halochariessa*; *Chrysonotomyia lanassa* (Walker), comb. nova, originally in *Entedon*; *Chrysonotomyia lyonetiae* (Ferrière), comb. nova, from *Achrysocharis*; *Chrysonotomyia ruforum* (Krausse), comb. nova, originally described as *Wolfiella*.

It is possible that also the species classified now under *Neochrysocharis* may belong rather to *Chrysonotomyia*.

Similarly *Enaysma* Delucchi has become a junior synonym of *Achrysocharoides* Girault, which results in the following recombinations:

*Achrysocharoides albiscapus* (Delucchi), comb. nova, from *Enaysma*; *Achrysocharoides altilis* (Delucchi), comb. nova, from *Enaysma*; *Achrysocharoides atys* (Walker), comb. nova, originally described in *Entedon*; *Achrysocharoides latreillei* (Curtis), comb. nova, originally in *Eulophus*.

*Hyperteles* Förster is now (again) regarded as a mere species-group of *Tetrastrichus* Haliday.

*Pediobius foliorum* (Geoffroy in Fourcroy, 1785) is the earliest and valid name of the species which has been called *Pediobius cothurnatus* (Nees) (see Bouček et Askew, 1968:91). As there is now no doubt about the synonymy and no other reason to keep *cothurnatus*, the name *P. foliorum* is established.

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## Sažetak

### PREGLED FAUNE CHALCIDOIDEA JUGOSLAVIJE

(parazitički opnokrilci)

Zdenek Bouček

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Autor je u Jugoslaviji sakupljaо Chalcidoidea prvi puta 1958. god. kada je sudjelovao u ekspediciji na Durmitor, koju je organizirao dr G. Nonveiller (tada u Beogradu). Daljnja sakupljanja u junu-julu 1965. i 1968. god. omogućila je ljubazna pomoć prof. dr I. Spačić (Zagreb) i šumarskih poduzeća Hrvatske (osobito »Spačve« iz Vinkovaca). God. 1968. autora su pomogli također šumarski entomolozi Srbije, naročito prof. dr K. Vasić i dr R. Marović (oba iz Beograda). God. 1965. materijal je sakupljan većinom na području Zagreba i Vinkovaca, Gorskog Kotara i Biogradske n/m na jadranskoj obali, a 1968. god. na području Beograda, Deliblatske peščare, Šumadije, planine Goč te ponovno na južnoj jadranskoj obali i Biogradu n/m. Daljnji opsežni istraživački materijal je onaj, što ga je prikupio dr A. Hoffer (Prag) na južnoj jadranskoj obali 1966. i 1969. god., zatim dr E. Königsmann (Berlin) u Makedoniji 1965. i 1966. god., P. Mikula (Prag) na otoku Lošinju u septembru 1964. god. i pokojni R. L. Coe (London; njegov materijal u British Museum-u, Natural History) na otoku Korčuli i u južnoj Makedoniji 1955. god. te u Sloveniji, Hrvatskoj i Srbiji 1958. god. Mnogi su podaci uzeti iz zbirke dr Henschka (veći dio na Poljoprivrednom fakultetu u Zagrebu) u kojoj se nalazi zanimljiv materijal iz okolice Krapine (sjeverozapadna Hrvatska) i Rume (Srbija), prikupljen između 1890. i 1925. god., a isto tako i iz zbirki nekih austrijskih i mađarskih entomologa (smještenih uglavnom u muzejima Beča i Budimpešte) s materijalom iz sjeverne Hrvatske i Srbije i jadranske obale. U Jugoslaviji je osim Henschove proučavana i zbirka u zagrebačkom muzeju te zanimljiva Košćecova zbirka u Varaždinu, a podatke o nekim primjercima u sarajevskom muzeju dostavio mi je moj prijatelj prof. Spačić. Pribilježeni su i podaci o halcidama Jugoslavije u drugim evropskim muzejima i ustanovama. To su zbirke u Berlinu, Ebershaldu, Münchenu, Parizu, Torinu, Ženevi, Beču, Budimpešti, Londonu itd. Za proteklih 17 godina pregledao sam i brojne primjerke, koji su mi bili poslati na determinaciju ili preko O. I. L. B. (Međunarodna organizacija za biološku borbu) ili direktno od jugoslavenskih kolega u vezi s njihovim istraživačkim projektima na području poljoprivrede i šumarstva, najviše od slijedećih: ing. B. Arčanin (Zagreb), ing. M. Bogavac (Beograd), ing. B. Britvec (Zagreb), dr I. Čiglar (Zagreb), dr J. Čingovski (Skopje), dr D. Hadžistević (Beograd, poslije Sarajevo), prof. Ž. Kovačević (Zagreb), ing. M. Lekić (Beograd), prof. I. Spačić (Zagreb), ing. J. Titovšek (Ljubljana) i prof. K. Vasić (Beograd).

Rodovi i vrste poredani su alfabetski unutar svake familije. Označeni su danas važećim nazivima, ali u slučajevima gdje je do promjene naziva došlo u novije vrijeme i ako je to nađeno za shodno, dodan je i raniji naziv (sinonim) u okruglim zagradama. Kao što je uobičajeno u taksonomskoj literaturi, ime autora u okruglim zagradama znači da je vrsta prvo bitno opisana pod drugim generičkim imenom. Inače su reference koje se odnose na opis označene samo godinom. Podaci koji se odnose na Jugoslaviju poredani su po republikama, kojih su nazivi skraćeni na ovaj način: SLO = Slovenija, HRV = Hrvatska, SRB = Srbija, BH = Bosna i Hercegovina, CRG = Crna Gora, MAK = Makedonija. Ako podatak izričito ne spominje neki dio Jugoslavije, označen je s JUGOSL. Općenitije označke kao »južna Evropa«, »mediteranske zemlje« ili »Balkanski poluotok« mogu se također odnositi na Jugoslaviju, ali one nisu uzete u obzir. Podaci za Trst i »Banat u Mađarskoj« također su ispušteni jer vjerojatno prelaze granice Jugoslavije. Lokaliteti su označeni mjesnim nazivima i nisu prevedeni, a gdjegod je to bilo moguće poredani su općenito od sjevera prema jugu i od zapada prema istoku. Uglate se zgrade odnose samo na literaturu, a okrugle u vezi s podacima na sabirač ili katkada na očiglednu kraticu za mjesto gdje se zbirka nalazi (npr. »Budap. Mus.« znači budimpeštanski muzej). Inače su općenito spomenute samo izvorne informacije, a ne i one sa sekundarnim, ponavljanim podacima kao što je to u katalozima ili drugim kasnijim publikacijama. Podaci u literaturi gdje je spomenuto samo ime roda (npr. »Eupteromalus sp.«) ispušteni su, osim u onim malobrojnim slučajevima gdje

mi je bilo moguće provjeriti originalni materijal i navesti ga pod sada važećim imenom. U nekim drugim slučajevima vrsta se mogla prepoznati po biološkim podacima. Ipak koji puta ni specifično ime nije vodilo identitetu (npr. *Ganahlia clavicornis* [Vukasović, 1928d] sigurno predstavlja pogrešnu determinaciju jer je sada *clavicornis* sinonim za *Ceranisus menes* (Walker), parazita Thysanoptera; Vukasovićev se naziv vjerojatno odnosi na neku *Achrysocharella* vrstu).

Jugoslavenski su podaci za svaku vrstu nadopunjeni kratkim općim prikazom njene biologije i poznatim rasprostranjjenjem.

Broj vrsta Chalcidoidea (949) popisanih u ovome radu može izgledati impresivan u usporedbi s nekim drugim zemljama. Ipak valja naglasiti da po svoj prilici predstavlja samo nešto više od jedne trećine stvarnog broja jugoslavenskih vrsta. Na primjer, prema mom iskustvu iz Čehoslovačke i Britanije, može se procijeniti da je broj vrsta ove grupe u tim zemljama približno jednak broju vrsta biljaka (Antophyta) u njima. Općenito je ipak naše poznavanje evropskih vrsta još uvek daleko od zadovoljavajućeg, iako je veoma napredovalo u posljednjih 30 godina. Još uvek ima mnogo velikih rodova u kojima se relativno malo vrsta može determinirati sa dovoljnom točnošću. Radi toga je znatan dio istraživanog materijala morao ostati neimenovan. Jugoslavija je osim toga prostrana zemlja s veoma različitim biotopima i u mnogima od njih halcide nisu bile dosta intenzivno skupljane, a od nekih grupa kao što su npr. Mymaridae, relativno je malo materijala bilo upotrebljivo. Nadalje dio prikupljenog materijala nije mi bio dostupan u zadnjim fazama mog rada. Žato s obzirom na sve ove razloge zamišljena je ova publikacija kao sažetak dosadašnjeg rada te je valja shvatiti kao bazu za daljnja proučavanja.

Osim naprijed izražene zahvalnosti mnogim kolegama za njihovu pomoć, želim se također posebno zahvaliti prof. dr Željku Kovačeviću i prof. dr Ivanu Spačiću na njihovoj podršći, interesu i poticaju za vrijeme rada, a drugospomenutom također na čitanju rukopisa i pomoći na identificiranju mnogih lokalnih naziva.

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