

**Contribution to the taxonomy and knowledge of hosts of ichneumonids
(Hymenoptera: Ichneumonidae)**

Příspěvek k taxonomii a poznání hostitelů lumků (Hymenoptera: Ichneumonidae)

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Abstract. A new ichneumonid species from the subfamily Cremastinae, *Pristomerus dodecellae* sp. n., is described from the Czech Republic and Poland. The species was reared from the pine gelechiid moth *Exoteleia dodecella* (Linnaeus, 1758). *Cremastus dalmatinus* Strobl, 1903 is removed from synonymy with *C. crassicornis* Thomson, 1890 and reinstated as a valid species. The paper further provides a list of newly recorded hosts of ichneumonids, based mainly on rearing observations in the Czech Republic and Slovakia; several new data are also presented from southern Europe and Central Asia. The list comprises 96 host species, including 86 spp. of Lepidoptera, 8 spp. of Coleoptera, and 2 spp. of Diptera. Four additional species are recorded as new for the Czech Republic, based on specimens reared from hosts or collected in abandoned mine galleries: *Campoplex punctipleuris* Horstmann, 1980; *Diphyus palliatorius* Gravenhorst, 1829; *Exephanes coelebs* Kriechbaumer, 1890, and *Pristomerus kasparjani* Narolsky, 1986. The following five species are new for Slovakia (based on reared specimens): *Exochus tardigradus* Gravenhorst, 1829; *Netelia paramelanura* Tolkanitz, 1974; *N. tarsata* Brischke, 1880; *Ophion ocellaris* Ulbricht, 1926, and *Scirtetes robusta* Woldstedt, 1877.

INTRODUCTION

Since my last treatment of the subject (Šedivý 1986), I have been able to examine a rich material of various ichneumonids, coming mainly from the Czech and Slovak Republics (partly also from the Mediterranean region and Central Asia). The material contains one species which was reared from several Czech and Polish specimens of an important pest moth, *Exoteleia dodecella* (Linnaeus, 1758), and proved to be new to science. This species, *Pristomerus dodecellae* sp. n., is described below in the taxonomic part of this paper. Moreover, based on examination of recently collected material from Croatia, *Cremastus dalmatinus* Strobl, 1903 is reinstated as a valid species.

The faunistic part of the article updates the check-list of Czechoslovak Hymenoptera (Šedivý 1989) and presents numerous species that are newly recorded as hosts of ichneumonids, mainly from the Czech Republic. They include 86 species of Lepidoptera, 8 spp. of Coleoptera and 2 spp. of Diptera. These data provide valuable supplementary information on species that are difficult to determine. Previous data on hosts of ichneumonids were published in my earlier papers (Šedivý 1965, 1986). This contribution contains recent and mostly unknown data on hosts of faunistically interesting and indifferent species. Citations of hosts of economic importance are partly new. They are given because they provide an indispensable information for possible introductions of the parasitoids into new areas. Besides, they reflect changes in the species spectra of parasitoids of several pest species. The data on host species are also important for faunistic

investigations, since some of the ichneumonid species can only be obtained by rearing from hosts and cannot be detected by common collecting methods.

I have identified all material of Ichneumonidae mentioned in this paper. With the exception of the holotype of *Pristomerus dodecellae* sp. n., all specimens are deposited in my collection. Host species were identified by the entomologists who reared the parasitoids. The numbers following the locality names are the grid-mapping codes (Pruner & Míka 1996). The data on the hatching of the parasitoids refer to the time at which adults hatched in the rearings.

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TAXONOMIC PART

Cremastus dalmatinus Strobl, 1903, **stat. rest.**

My previous placement of *C. dalmatinus* in synonymy with *C. crassicornis* Thomson, 1890 (Šedivý 1970) has proved erroneous. Based on an examination of an additional female specimen collected in Croatia: Kosirina, 23.-26.v.1987, J. H. Schmidt lgt., I regard *C. dalmatinus* Strobl, 1903 as a valid species.

The diagnostic characters are as follows:

C. dalmatinus: Pterostigma dark brown. Area basalis triangular, area petiolaris rugose, ovipositor curved downward. Hind femora brown, apices yellow; ♂ with entire face yellow.

C. crassicornis: Pterostigma light brown. Area basalis tetragonal, area petiolaris transversely striate, ovipositor direct. Hind femora fuscous; ♂ with only facial orbits yellow.

Pristomerus dodecellae sp. n.

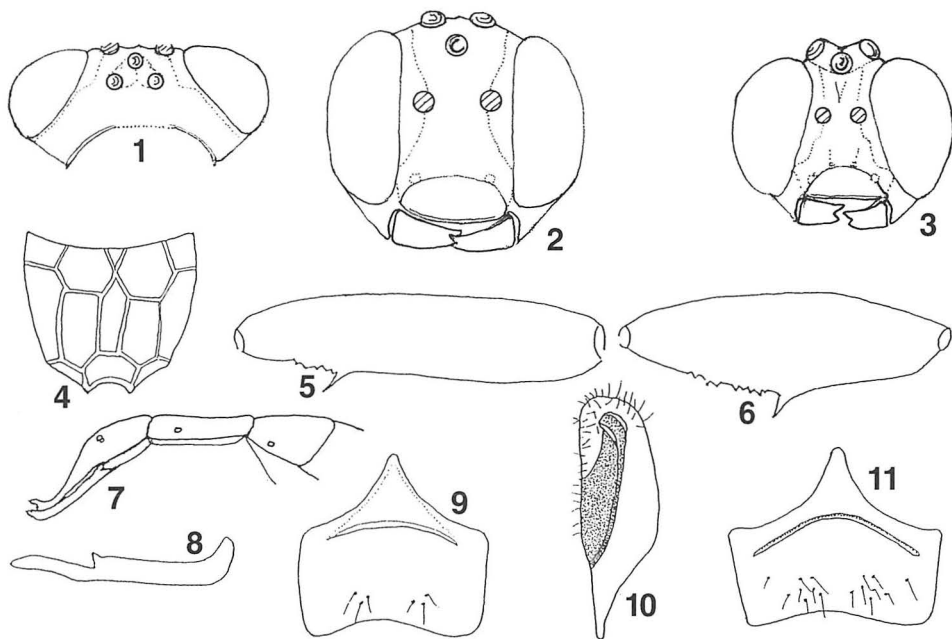
(Figs 1-10)

Description. Female: Gena coriaceous, in dorsal view strongly receding and weakly convex (Fig. 1). Ocellar index 0.66-0.80. Frons and vertex coriaceous with shallow punctures, interspaces greater than diameter of punctures. Frons index 0.44-0.48. Occipital carina complete or interrupted medially. Face polished with moderate punctures, lateral margins of the face parallel (Fig. 2). Clypeus polished, convex, apical margin rounded. Mandibles coriaceous, malar space polished and punctate, 0.6 times as wide as basal width of mandible. Flagellum 28- to 29-segmented. Segments 1 and 2 of flagellum equal in length. Pronotum polished, dorsally rugose, latero-ventrally punctate. Mesoscutum polished, densely and deeply punctate. Notauli present. Scuto-scutellar sulcus rugose. Scutellum weakly convex; polished and sparsely punctate, apically rugose. Mesopleuron and mesosternum polished, with punctures separated by about their diameter. Speculum polished, subspecular groove anteriorly transversely striated. Metapleuron polished and densely punctate. Propodeum with distinct areae (Fig. 4). Area basalis triangular, area superomedia 2.0-2.8 times as long as broad, on sides shallowly striate or rugose. Area petiolaris transversely striate, area lateralis polished and sparsely punctate. Petiolus polished; postpetiolus and tergite 2 longitudinally striate, the latter 1.5-2.2 times as long as wide; tergite 3 coriaceous, as long as wide. Remaining tergites transverse, dull and coriaceous. Ovipositor sheaths 1.5-1.6 times as long as hind tibia. Front wing pellucid, pterostigma and nervature brown,

nervulus interstitial, nervus paralellus above the middle of brachial vein. Nervellus of hind wing broken in 0.75-0.80 of its length. Hind coxae slender, coriaceous. Hind femora 3.6-4.4 times as long as deep, tooth in 0.6-0.7 of their length (Fig. 5).

Head black, orbitae fuscous, malar space and clypeus brown or dark brown, mandibles brown. Prestostigma and nervature light brown. Thorax black, tegulae yellowish, translucent. Gastral tergites black, tergites 2 and 3 brown, partially black. Tergites 4-7 black, yellow and translucent apically. Front and middle coxae brown. Hind coxae dark brown or black, femora and tibiae light brown, hind tibiae apically and tarsomeres 5 apically dark brown. Length of body 4-6 + 2 mm.

Male: Ocellar index 0.0-0.1 (Fig. 3). Frons index 0.19-0.26, lateral margin of face strongly convergent, malar space 0.6 times as wide as basal width of mandibles. Flagellum 29-segmented. Pronotum latero-ventrally with sparse to dense punctures. Area superomedia 2.9-3.4 times as long as wide. Tergite 2 1.9-2.6 times as long as wide (Fig. 7). Hind femora 2.8-3.4 as long as deep, tooth in 0.50-0.64 of their length (Fig. 6), hind coxae coriaceous. Subgenital plate (Fig. 9) with 6-8 apical setae. Aedeagus (Fig. 8) parallel-sided with a basal tooth, paramere as in Fig. 10. Length of body: 4-6 mm.



Figs 1-11. 1-10: *Pristomerus dodecellae* sp. n. 1 - ♀, head, dorsal view. 2 - ♀, head, frontal view. 3 - ♂, head, frontal view. 4 - ♂, propodeum, dorsal view. 5 - ♀, hind femur, lateral view. 6 - ♂, hind femur, lateral view. 7 - ♂, basal gastral tergites, lateral view. 8 - ♂, aedeagus, lateral view. 9 - ♂, subgenital plate, dorsal view. 10 - ♂, paramere, ventral view. 11: *Pristomerus armatus* (Lucas), ♂, subgenital plate, dorsal view.

Obr. 1-11. 1-10: *Pristomerus dodecellae* sp. n. 1 - ♀, hlava, dorzální pohled. 2 - ♀, hlava, frontální pohled. 3 - ♂, hlava, frontální pohled. 4 - ♂, propodeum, dorzální pohled. 5 - ♀, zadní stehno, laterální pohled. 6 - ♂, zadní stehno, laterální pohled. 7 - ♂, bazální články zadečku, laterální pohled. 8 - ♂, aedeagus, laterální pohled. 9 - ♂, subgenitální destička, dorzální pohled. 10 - ♂, paramera, ventrální pohled. 11: *Pristomerus armatus* (Lucas), ♂, subgenitální destička, dorzální pohled.

Tryphoninae

Netelia (Netelia) paramelanura Tolkanitz, 1974. Slovakia: Zvolen (7480), x.1955, 1 ♂, J. Patočka lgt., ex *Pseudoips prasinanus* (Linnaeus, 1758) (Lepidoptera: Noctuidae). New species for Slovakia.

Netelia (Paratheltes) tarsata (Brischke, 1880). Slovakia: Levice (7777), ix.1988, 1 ♂, J. Patočka lgt., ex *Eupithecia absinthiata* (Clerck, 1759) (Lepidoptera: Geometridae) on *Solidago* sp. New species for Slovakia.

Phytodietus gelitorius (Gravenhorst, 1829). Slovakia: Sopotica (7182), ix.1979, 1 ♀, M. Čapek lgt., ex *Fulvoclysia subdolana* (Kennel, 1900) (Lepidoptera: Tortricidae).

Xoridinae

Odontocolon dentipes (Gmelin in Linnaeus, 1790). France: Vallauris, 7.vii.1978, 1 ♀, M. Sláma lgt., ex *Arhopalus syriacus* (Reitter, 1895) (Coleoptera: Cerambycidae).

Xorides (Gonophonus) corcyrensis (Kriechbaumer, 1894). Slovakia: Nové Mesto nad Váhom (7272), 1967, 2 ♂♂, M. Sláma lgt., ex *Semanotus ruscicus* (Fabricius, 1776) (Coleoptera: Cerambycidae).

Xorides (Xorides) praecatorius (Fabricius, 1793). Slovakia: Palárikovo (7974), iii.-iv.1961, 1 ♂, M. Čapek lgt., ex *Descarpentriesina variolosa* (Paykull, 1799) (Coleoptera: Buprestidae).

Phygadeuontinae

Bathytrix thomsoni (Kerrich, 1942). Bohemia: Děčínský Sněžník (5250), 13.-26.vi.1992, 6 ♂♂, 3 ♀♀, E. Kula lgt., ex *Coleophora serratella* (Linnaeus, 1761) (Lepidoptera: Coleophoridae).

Gelis areator Panzer, 1804. Moravia: Javorník (6356), 2.v.1994, 1 ♂, 1 ♀, J. Marek lgt., ex *Coleophora anatipennella* (Hübner, 1796) (Lepidoptera: Coleophoridae); Horka nad Moravou (6369), 21.x.1990, 1 ♀, ex *Coleophora hydrolapathella* Hering, 1924 (Lepidoptera: Coleophoridae); Brno (6865), 10.vii.1997, 1 ♀, J. Mráz lgt., ex *Cameraria ohridella* Deschka et Dimić, 1986 (Lepidoptera: Gracillariidae); Brno-Soběšice (6865), v.1974, 1 ♀, F. Gregor lgt., ex *Coleophora serratella* (Linnaeus, 1761) (Lepidoptera: Coleophoridae); Knínice (6959), 16.iv.1990, 1 ♀, J. Marek lgt., ex *Coleophora saturatella* Stainton, 1850 (Lepidoptera: Coleophoridae); Milovice (7166), 30.v.1967, 1 ♀, J. Krampl lgt., ex *Taleporia tubulosa* (Retzius, 1783) (Lepidoptera: Psychidae). Slovakia: Kováčová (7380), 26.vi.1973, 1 ♀, M. Čapek lgt. Hyperparasitoid ex pupa of *Lymantria dispar* (Linnaeus, 1758) (Lepidoptera: Lymantriidae).

Gelis agilis (Fabricius, 1775). Bohemia: Koda (6051), 24.vii.1980, 1 ♀, M. Soldát lgt., ex *Coleophora ochrea* (Haworth, 1828) (Lepidoptera: Coleophoridae). Moravia: Knínice (6959), vi.1975, 1 ♀, F. Gregor lgt., ex *Coleophora coronillae* Zeller, 1849 (Lepidoptera: Coleophoridae).

Nippocryptus vittatorius (Jurine, 1907). Moravia: Břeclav (7267), 5.v.1970, 2 ♀♀, J. Hladil lgt., ex *Anthaxia hackeri* Friwaldsky, 1884 (Coleoptera: Buprestidae).

Xylophrurus dentiferus (Thomson, 1896). Tadjikistan: Yavroz (Dushanbe env.), ii.1982, 1 ♀, J. Hladil lgt., ex *Cleroclytus banghazi* Reitter, 1895 (Coleoptera: Cerambycidae).

Banchinae

Apophua bipunctoria (Thunberg, 1822). Slovakia: Holíč (7168), 27.v.1981, 1 ♀, ex *Pandemis cerasana* (Hübner, 1768) (Lepidoptera: Tortricidae); Sitno (7579), 30.v.1961, 1 ♂, ex *Pandemis corylana* (Fabricius, 1794) (Lepidoptera: Tortricidae); Sikenica (7978), 13.v.1964, 1 ♀, ex *Choristoneura hebenstreitella* (Müller, 1764) (Lepidoptera: Tortricidae). All M. Čapek lgt.

Apophua cubitoria (Thunberg, 1822). Slovakia: Sikenica (7978), vii.1961, 1 ♂, J. Patočka lgt., ex *Pandemis cerasana* (Hübner, 1768) (Lepidoptera: Tortricidae).

Cryptopimpla genalis Thomson, 1877. Slovakia: Tematín (7373), ix.1980, 1 ♀, M. Čapek lgt., ex *Spargania luctuata* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae).

Glypta incisa Gravenhorst, 1829. Bohemia: Kostelec nad Černými lesy (6055), 28.v.1954, 7 ♀♀, V. Martinek lgt., ex *Cydia pactolana* (Zeller, 1840) (Lepidoptera: Tortricidae).

Lissonota buccator (Thunberg, 1822). Slovakia: Blatnická dolina (7079), i.ix.1974, 1 ♀, M. Čapek lgt., ex *Acleris sparsana* (Denis et Schiffermüller, 1775) (Lepidoptera: Tortricidae); Zvolen (7480), vi.1982, 1 ♀, J. Patočka lgt., ex *Ypsolopha scabrella* (Linnaeus, 1761) (Lepidoptera: Ypsolophidae).

Lissonota deversor Gravenhorst, 1829. Slovakia: Zadielská dolina (7391), 1986, 1 ♀, Z. Laštůvka lgt., ex *Synanthedon cepiformis* (Ochsenheimer, 1808) (Lepidoptera: Sesiidae).

Lissonota errabunda Holmgren, 1860. Moravia: Zlín (6772), 20.iii.1991, 1 ♂, J. Marek lgt., ex *Triaxomera parasitella* (Hübner, 1796) (Lepidoptera: Tineidae). Slovakia: Slovenský ráj - Čingov (7389), vi.1976, 1 ♀, J. Patočka lgt., ex *Epinotia cruciana* (Linnaeus, 1761) (Lepidoptera: Tortricidae) on *Salix caprea* (L.); Žahýl (7479), 20.iv.1980, 1 ♀, A. Příhoda lgt., ex *Morophaga choragella* (Denis et Schiffermüller, 1775) (Lepidoptera: Tineidae).

Lissonota frontalis Desvignes, 1856. Moravia: Mikovice u Uherského Hradiště (6970), 26.v.1988, 1 ♂, Z. Laštůvka lgt., ex *Synanthedon andrenaeformis* (Laspeyres, 1801) (Lepidoptera: Sesiidae).

Lissonota pimplator (Zetterstedt, 1840). Bohemia: Roudnice nad Labem (5551), 29.v.1963, 1 ♀, J. Obermajer lgt., ex *Synanthedon andrenaeformis* (Laspeyres, 1801) (Lepidoptera: Sesiidae). Slovakia: Plešivec (7488), 9.v.1987, 1 ♀, Z. Laštůvka lgt., ex *Chamaesphaecia euceraeformis* (Ochsenheimer, 1816) (Lepidoptera: Sesiidae); Silica (7489), v.1989, 1 ♀, Z. Laštůvka lgt., ex *Chamaesphaecia nigrifrons* (Le Cerf, 1911) (Lepidoptera: Sesiidae).

Campopleginae

Campoletis zonatus Gravenhorst, 1829. Slovakia: Beluja (7780), 6.v.1961, 2 ♀♀, M. Čapek lgt., ex *Epirrita dilutata* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae).

Campoplex borealis Zetterstedt, 1838. Bohemia: Děčínský Sněžník (5250), 27.vi.-17.vii.1970, 8 ♂♂, 2 ♀♀, 6.vii.1992, 1 ♂, E. Kula lgt., ex *Coleophora serratella* (Linnaeus, 1761) (Lepidoptera: Coleophoridae). Moravia: Vír (6463), 1974, 1 ♀, F. Gregor lgt., ex *Coleophora serratella*. The emergence hole of adult is situated close to the posterior margin of the case, rarely also posterior of its anterior margin.

Campoplex punctipleuris Horstmann, 1980. Bohemia: Landštejn (6957), 1.vii.1972, 1 ♀, 1.-15.vii.1970, 2 ♂♂, F. Gregor lgt., ex *Coleophora serratella* (Linnaeus 1761) (Lepidoptera: Coleophoridae). New species for the Czech Republic.

Charops cantator (De Geer, 1778). Slovakia: Kamenica nad Hronom, (8178), 23.-28.vi.1986, 2 ♂♂, I. Novák lgt., ex *Zygaena punctum* Ochsenheimer, 1808 (Lepidoptera: Zygaenidae).

Casinaria tenuiventris Gravenhorst, 1829. Slovakia: Sikenica (7978), 10.vi.1974, 1 ♂, M. Čapek lgt., ex larva of *Lymantria dispar* (Linnaeus 1758) (Lepidoptera: Lymantriidae).

Eriborus terebrans (Gravenhorst, 1829). Moravia: Blatnice (7071), 17.vi.1994, 1 ♂, 16.vii.1994, 1 ♀, P. Bokor lgt., ex *Ostrinia nubilalis* (Hübner, 1796) (Lepidoptera: Crambidae). Slovakia: Kráľovský Chlmec (7597), 9.vi.1995, 1 ♀, P. Bokor lgt., ex *Ostrinia nubilalis* (Hübner, 1796).

Hyposoter tricoloripes (Viereck, 1911). Slovakia: Dudince (7879), v.1995, 1 ♂, M. Zúbrik lgt., ex *Lymantria dispar* (Linnaeus 1758) (Lepidoptera: Lymantriidae).

Phobocampe lymantriae Gupta, 1983. Slovakia: Párovské háje (7774), 1 ♂, M. Zúbrik lgt., ex *Lymantria dispar* (Linnaeus, 1758); Sikenica (7978), 5.v.1966, 1 ♀, M. Čapek lgt., ex *Lymantria dispar* (Linnaeus, 1758) (Lepidoptera: Lymantriidae).

Phobocampe uncinata (Gravenhorst, 1829). Slovakia: Párovské háje (7774), 1 ♀, 1975, M. Zúbrik lgt., ex *Lymantria dispar* (Linnaeus 1758) (Lepidoptera: Lymantriidae).

Scirtetes robusta Woldstedt, 1877. Slovakia: Holič (7168), 25.v.1979, 1 ♀, ex *Cosmia trapezina* (Linnaeus 1758) (Lepidoptera: Noctuidae); Zvolen (7480), 9.vi.1970, 1 ♀, ex *Orthosia cerasi* (Fabricius, 1775) (Lepidoptera: Noctuidae); Banská Štiavnica (7579), 5.v.1961, 2 ♀♀, ex *Orthosia cruda* (Denis et Schiffermüller, 1775) (Lepidoptera: Noctuidae) and *Dichonia convergens* (Denis et Schiffermüller, 1775) (Lepidoptera: Noctuidae). All M. Čapek lgt. New species for Slovakia.

Cremastinae

Cremastus cephalotes Šedivý, 1970. Italia: Bibione, 25.v.1995, 2 ♂♂, 2 ♀♀, Z. Laštůvka lgt., ex *Phalacropterix praececellens* (Staudinger, 1870) (Lepidoptera: Psychidae).

Cremastus crassicornis Thomson, 1890. Bohemia: Koda u Srbska (6051), 21.v.1968, 1 ♀, B. Starý lgt., ex *Psyche casta* (Pallas, 1767) (Lepidoptera: Psychidae). Croatia: Makarska, vii.1967, 3 ♂♂, 3 ♀♀, Z. Laštůvka lgt., ex *Phalacropterix calberlae* (Heylaerts, 1890) (Lepidoptera: Psychidae).

Pristomerus armatus (Lucas, 1849). Slovakia: Banská Štiavnica (7579), 1 ♀, M. Čapek lgt., ex *Rhyacionia buoliana* (Denis et Schiffermüller, 1775) (Lepidoptera: Tortricidae).

Pristomerus kasparjani Narolsky, 1986. Moravia: Sedlec u Mikulova (7165), 20.iv.1991, 2 ♀♀, J. Marek lgt., ex *Coleophora oriolella* Zeller, 1849 (Lepidoptera: Coleophoridae). New species for the Czech Republic.

Temelucha annulata (Szépligeti, 1900). Moravia: Knínice (6959), 4.vii.1973, 1 ♀, F. Gregor lgt., ex *Coleophora lixella* Zeller, 1849 (Lepidoptera: Coleophoridae).

Temelucha caudata (Szépligeti, 1900). Moravia: Pálava - Tabulová hora (7165), 7.x.1992, 1 ♀, J. Marek lgt., ex *Coleophora dignella* Toll, 1961 (Lepidoptera: Coleophoridae).

Ophioninae

Enicospilus ramidulus (Linnaeus, 1758). Bohemia: Praha-Podhoř (5852), 30.vii.1969, 3 ♂♂, 2 ♀♀, J. Šmelhaus lgt., ex *Cuculia absinthii* (Linnaeus, 1761) (Lepidoptera: Noctuidae).

Ophion costatus Ratzeburg, 1848. Bohemia: Praha-Podhoř (5852), 30.vii.1969, 1 ♀, J. Šmelhaus lgt., ex *Cuculia absinthii* (Linnaeus, 1761) (Lepidoptera: Noctuidae).

Ophion minutus Kriechbaumer, 1879. Slovakia: Banská Štiavnica (7579), 12.vi.1965, 2 ♀♀, M. Čapek lgt., ex *Lymantria dispar* (Linnaeus, 1758) (Lepidoptera: Lymantriidae); Zobor (7674), 17.vii.1987, 1 ♀, J. Patočka lgt., ex *Agriopsis aurantiaria* (Hübner, 1799) (Lepidoptera: Geometridae).

Ophion ocellaris Ulbricht, 1926. Slovakia: Štúrovo (8178), 16.iii.1953, 1 ♀, ex *Epirrita dilutata* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae) and 5.v.1961, 1 ♂, ex *Asphalia ruficollis* (Denis et Schiffermüller, 1775) (Lepidoptera: Drepanidae), both M. Čapek lgt. New species for Slovakia.

Mesochorinae

Stictopisthus formosus Bridgman, 1882. Bohemia: Vlkánčice nad Sázavou (6155), v.1982, 3 ♀♀, ex *Phyllonorycter nicellii* (Stainton, 1851) (Lepidoptera: Gracillariidae) and 2 ♀♀, ex *Phyllonorycter fraelichiella* (Zeller, 1839) (Lepidoptera: Gracillariidae), both B. Starý lgt.

Metopiinae

Chorinaeus cristator (Gravenhorst, 1829). Slovakia: Sitno (7579), spring 1977, 1 ♀, M. Čapek lgt., ex *Tortricodes alternellus* (Denis et Schiffermüller, 1775) (Lepidoptera: Tortricidae).

Exochus tardigradus Gravenhorst, 1829. Slovakia: Tematín (7373), 11.v.1967, 1 ♂, M. Čapek lgt., ex *Anacampsis timidella* (Wocke, 1887) (Lepidoptera: Gelechiidae). New species for Slovakia.

Triclistus areolatus Thomson, 1887. Slovakia: Štúrovo (8178), 26.ix.1953, 1 ♀, J. Patočka lgt., ex *Earias clorana* (Linnaeus, 1761) (Lepidoptera: Noctuidae).

Triclistus globulipes (Desvignes, 1856). Slovakia: Tematín (7373), 19.v.1969, 1 ♀, v.1979, 1 ♂, ex *Phycita roborella* (Denis et Schiffermüller, 1775) (Lepidoptera: Pyralidae); Pata (7772), 6.vi.1964, 1 ♂, ex *Anacampsis timidella* (Wocke, 1887) (Lepidoptera: Gelechiidae). Both M. Čapek lgt.

Triclistus podagricus (Gravenhorst, 1829). Slovakia: Tematín (7373) 19.v.1969, 2 ♀♀; Štúrovo (8178), 17.v.1974, 1 ♀, both M. Čapek lgt., ex *Phycita roborella* (Denis et Schiffermüller, 1775) (Lepidoptera: Pyralidae).

Triclistus spiracularis Thomson, 1887. Slovakia: Poľana (7382), vii.1981, 1 ♂, ex *Perizoma albulatum* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae); Vidová (7488), vi.1960, 1 ♂, ex *Yponomeuta sedellus* Treitschke, 1832 (Lepidoptera: Yponomeutidae). Both M. Čapek lgt.

Anomaloninae

Agrypon anxium (Wesmael, 1849). Slovakia: Pata (7772), 12.vi.1964, 1 ♂, ex *Ypsolopha alpella* (Denis et Schiffermüller, 1775) (Lepidoptera: Ypsolophidae); Štúrovo (8178), 17.v.1973, 2 ♀♀, ex *Agriopsis leucosphaeria* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae) and 6.v.1973, 1 ♀, ex *Alsophila aescularia* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae). All M. Čapek lgt.

Agrypon clandestinum (Gravenhorst, 1829). Slovakia: Zvolen (7480), 1981, 3 ♀♀, J. Patočka lgt., ex *Perizoma blandiatum* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae).

Agrypon flaveolatum (Gravenhorst, 1807). Slovakia: Štúrovo (8178), 22.v.1964, 2 ♀♀, M. Čapek lgt., ex *Alsophila aceraria* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae).

Agrypon flexorium (Thunberg, 1822). Slovakia: Dudince (7879), viii.1986, 1 ♀, J. Patočka lgt., ex *Earias clorana* (Linnaeus, 1761) (Lepidoptera: Noctuidae).

Agrypon gracilipes (Curtis, 1839). Slovakia: Vráble (7775), 8.vi.1964, 1 ♂, M. Čapek lgt., ex *Cyclophora ruficiliaria* (Herrich-Schäffer, 1855) (Lepidoptera: Geometridae).

Aphanistes armatus (Wesmael, 1849). Slovakia: Štúrovo (8178), 16.v.1963, 1 ♀, ex *Agriopis bajaria* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae), 22.v.1964, 1 ♀, ex *Agriopis leucosphaeria* (Denis et Schiffermüller, 1775) (Lepidoptera: Geometridae) and 22.vi.1964, 2 ♀♀, ex *Phyloplaca ruficollis* (Fabricius, 1787) (Lepidoptera: Drepanidae). All M. Čapek lgt.

Barylypa insidiator (Foerster, 1878). Slovakia: Tehlnice (7776), 27.vii.1964, 1 ♂, ex *Cyclophora punctaria* (Linnaeus, 1758) (Lepidoptera: Geometridae) and 20.vii.1964, 2 ♀♀, ex *Operophtera brumata* (Linnaeus, 1758) (Lepidoptera: Geometridae). All M. Čapek lgt.

Heteropelma megarthrum (Ratzeburg, 1848). Slovakia: Blatnická dolina (7079), spring 1975, 1 ♀, ex *Ochropacha duplaris* (Linnaeus, 1761) (Lepidoptera: Drepanidae); Malacky (7568), 24.iv.1982, 1 ♀, ex *Bupalus piniarius* (Linnaeus, 1758) (Lepidoptera: Geometridae). Both M. Čapek lgt.

Trichomma enecator (Rossi, 1790). Bohemia: Praha-Ruzyně (5951), 30.vi.1967, 1 ♀, I. Novák lgt., ex *Epiblema uddmannianum* (Linnaeus, 1758) (Lepidoptera: Tortricidae); Praha-Ruzyně, vii.-x.1984, 25 ♂♂, 15 ♀♀, J. Šedivý lgt., ex *Cydia pomonella* (Linnaeus, 1758) (Lepidoptera: Tortricidae). The hatching of adults was followed in weekly intervals on corrugated cardboard trap-bands. The highest number of hatching parasitoids (60) was observed during August 18-25. Six adults were also reared between September 3 and October 13, suggesting that the ichneumonids parasitised caterpillars of two generations.

Ichneumoninae

Aethecerus nitidus Wesmael, 1844. Bohemia: Bechyně (6652), not dated, 1 ♀, J. Marek lgt., ex *Depressaria depressana* (Fabricius, 1775) (Lepidoptera: Oecophoridae).

Anisobas hostilis (Gravenhorst, 1820). Slovakia: Štúrovo (8178), 12.v.1963, 1 ♂, 1 ♀, M. Čapek lgt., ex *Quercusia quercus* (Linnaeus, 1758) (Lepidoptera: Lycaenidae).

Centeterus major Wesmael, 1844. Slovakia: Turňa nad Bodvou (7391), 20.vii.1987, 1 ♂, ex *Bembecia albanensis* (Rebel, 1918) (Lepidoptera: Sesiidae). Spain: Albarracín, vii.1991, 1 ♀, ex *Chamaesphexia mysiniformis* (Boisduval, 1840) (Lepidoptera: Sesiidae). Both Z. Laštůvka lgt.

Colpognathus celerator (Gravenhorst, 1807). Bohemia: Špindlerův Mlýn (6259), 30.vii.1969, 1 ♂, V. Felix lgt., ex *Ypsolopha dentella* (Fabricius, 1775) (Lepidoptera: Ypsolophidae).

Diphyus palliatorius (Gravenhorst, 1829). Bohemia: Starý rybník (5840), 6.ii.1998, 1 ♀, L. Dvořák lgt. It was collected together with *Exephanes amabilis* Kriechbaumer, 1890 (2 ♀♀) and *Diphyus quadripunctorius* (Müller, 1776) (4 ♀♀) in mine galleries 20 to 30 m away from the entrance. New species for the Czech Republic.

Exephanes caelebs Kriechbaumer, 1890. Bohemia: Amálino údolí, in the Čepice gallery (6747), 29.i.1998, 4 ♀♀, in the Kristina gallery (6847), 29.i.1998, 10 ♀♀, all L. Dvořák lgt. The

females overwintered singly as far as 60 m away from the entrance to the galleries. New species for the Czech Republic.

Ichneumon sarcitorius (Linnaeus, 1758). Bohemia: Veclov (5748), 15.vii.1997, 2 ♂♂; Krupá (5748), 18.viii.1997, 6 ♀♀; Mutějovice (5748), 15.vii.1997, 5 ♀♀; all J. Šedivý lgt., ex *Hydraecia micacea* (Esper, 1789) (Lepidoptera: Noctuidae). The moth is regarded as a hop pest. The cocoon of the ichneumonid is black, oval, and 14 mm long.

Platylabus decipiens Wesmael, 1848. Bohemia: Hradčanské rybníky (5354), 27.v.1993, 1 ♀, I. Novák lgt., ex *Siona lineata* (Scopoli, 1763) (Lepidoptera: Geometridae).

Protichneumon pisorius (Linnaeus, 1758). Slovakia: Malacky (7568), spring 1979, 1 ♀, M. Čapek lgt., ex *Sphinx pinastri* (Linnaeus, 1758) (Lepidoptera: Sphingidae).

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SOUHRN

Příspěvek má část taxonomickou a část o hostitelích lumkovitých. V první části je na základě početného materiálu popsán druh *Pristomerus dodecellae* sp. n., jehož imaga byla vychována z makadlovky borové (*Exoteleia dodecella* Linnaeus, 1758) (Lepidoptera: Gelechiidae). Podle dosavadních nálezů je nový druh rozšířený v České republice a v Polsku. Dále byla na základě studia nového materiálu z Chorvatska opravena nesprávná synonymizace druhů *Cremastus dalmatinus* Strobl, 1903 a *C. crassicornis* Thomson, 1890. *C. dalmatinus* je validní druh.

Druhá část obsahuje údaje o 78 druzích lumkovitých. Druhy hostitelů lumků se převážně uvádějí poprvé. Na jejich zjištění se podílela řada členů České společnosti entomologické. Některé druhy lumků jsou dosud známé výhradně z chovů, protože se nezjistí běžnými metodami sběru. Uvádí se 96 druhů hostitelů, z toho 86 z řádu motýlů, 8 z řádu brouků a 2 z řádu dvoukřídých. Znalost hostitelů usnadňuje determinaci lumků a přispívá k poznání jejich rozšíření. V chovech hostitelů a při faunistickém průzkumu chodeb opuštěných dolů byly zjištěny 4 druhy lumků dosud neznámých z České republiky. Jsou to: *Campoplex punctipleuris* Horstmann, 1980; *Diphyus palliatorius* Gravenhorst, 1829; *Exephanes caelebs* Kriechbaumer, 1890 a *Pristomerus kasparjani* Narolsky, 1986. Jako nové druhy pro Slovenskou republiku byly v chovech zjištěny: *Exochus tardigradus* Gravenhorst, 1829; *Netelia paramelanura* Tolkaitz, 1974; *N. tarsata* Brischke, 1880; *Ophion ocellaris* Ulbricht, 1926 a *Scirtetes robusta* Wodstedt, 1877.