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**Revision of some type-specimens of European
Ichneumonidae (Hymenoptera), 4**

Abstract. The paper concerns 32 species of the *Ichneumonidae*, subfamily *Cryptinae*. Basing on several collections, the descriptive types of 51 species-group forms described by 14 authors have been investigated, 13 lectotypes selected, 24 new synonyms and 9 new combinations proposed, and 1 form raised to the species status.

This paper contains a revision of some recovered types of species described by S. BRAUNS, J. B. BRIDGMAN, Th. DESVIGNES, J. L. C. GRAVENHORST, H. HABERMEHL, V. P. JONAITIS, A. KISS VON ZILAH, J. KRIECHBAUMER, C. MORLEY, A. ROMAN, J. F. RUTHE, V. SZÉPLIGETI, C. G. THOMSON and C. P. THUNBERG.

The materials used in this paper were borrowed from several institutions listed below:

- CM – Castel Museum, Norwich, England,
- BM – British Museum (Natural History), London, England,
- MN – Museum für Naturkunde der Humboldt-Universität, Berlin, German Democratic Republic,
- NMW – Naturhistorisches Museum Wien, Austria,
- NRS – Naturhistoriska Riksmuseet, Stockholm, Sweden,
- TMA – Természettudományi Múzeum Állattára, Budapest, Hungary,
- UU – University of Uppsala, Sweden,
- UW – Uniwersytet Wrocławski, Muzeum Przyrodnicze, Wrocław, Poland,
- ZIL – Zoological Institute, Lunds Universitet, Sweden,
- ZMM – Zoologičeskij Muzej Moskovskogo Gosudarstvennogo Universiteta, Moscow, Union of Soviet Socialist Republics,
- ZSBS – Zoologische Staatssammlung, München, Federal Republic Germany.

Megacara vagans (GRAVENHORST, 1829)

Cryptus (Phygadeuon) vagans GRAVENHORST, 1829a: 738. — Lectotype (♀): by designation of AUBERT (1968: 181): "f". Coll. GRAVENHORST, Wrocław (UW).

Cryptus (Cryptus) apicalis GRAVENHORST, 1829a: 574. **Syn. nov.** — Holotype (♀): without label, Coll. GRAVENHORST, Wrocław (UW).

SCHMIEDEKNECHT (1932: 41) and TOWNES (1983: 220) erroneously synonymized *Cryptus apicalis* GRAV. with *Xenolytus bitinctus* (GMEL).

Cubocephalus distinctor (THUNBERG, 1822)

Ichneumon distinctor THUNBERG, 1822: 257. — Holotype or lectotype (♀): "*Cubocephalus distinctor* THBG. ♀." (det. A. ROMAN); "*distinctor*. UPL." (THUNBERG cabinet label). Coll. THUNBERG, Uppsala (UU).

Cryptus (Cryptus) fortipes GRAVENHORST, 1829a: 473. **Syn. ROMAN** (1912: 251). — Holotype (♀): without label, Coll. GRAVENHORST, Wrocław (UW).

Ichneumon canaliculatus GRAVENHORST, 1829b: 141. **Syn. nov.** — Holotype (♂) (OEHLKE erroneously designated it as lectotype): without labels. Coll. GRAVENHORST, Wrocław (UW).

Cubocephalus sternocerus (THOMSON, 1873)

Cratocryptus sternocerus THOMSON, 1873: 532. — Lectotype (♀) by designation of TOWNES (TOWNES, MOMOI, TOWNES 1965: 157): "Skb", "*sternocerus*". Coll. THOMSON, Lund (ZIL).

Cryptus corsicus SZÉPLIGETI, 1916: 244. **Syn. nov.** — Holotype (♀): "Vcciani" (from the underside), "*Cryptus* sp. Coll. MARSHALL", "n.sp. Corsica", "*Cryptus corsicus* n.sp. 19". Coll. SZÉPLIGETI, Budapest (TMA).

Cubocephalus thomsoni (HABERMEHL, 1911)

Cratocryptus furcator: THOMSON 1873: 532, nec *Cratocryptus furcator* (GRAVENHORST, 1829a: 462).

Cratocryptus Thomsoni HABERMEHL, 1911: 606. — Lectotype (♀): "Båst", "*furcator*"; — paralectotypes (2 ♀♀ and 3 ♂♂): "Scan" (1♀), "Lhn 27/7" (1♀), "Råb 1/7" (3♂♂). Coll. THOMSON, Lund (ZIL). All types here designated.

JONAITIS (1981: 229) erroneously synonymized it with *Cratocryptus furcator* (GRAV.).

Oresbius ambulator (ROMAN, 1909)

Microcryptus ambulator ROMAN, 1909: 257. — Holotype (♀): "Sarek, [from the underside:] Popp.", "28/7, [from the underside:] 1907", "*ambulator* ROM.♀", coll. ROMAN, Stockholm (NRS).

Oresbius excelsus (GRAVENHORST, 1829), **comb. nov.**

Cryptus (Phygadeuon) excelsus GRAVENHORST, 1829a: 742. — Holotype (♀) det. FRILLI (1974: 154): without label, head missing, Coll. GRAVENHORST, Wrocław (UW).

Aptesis excelsus: FRILLI 1974: 154.

Oresbius leucopsis (GRAVENHORST, 1829)

Oresbius leucopsis: SAWONIEWICZ 1988: 483.

Oresbius victorovi JONAITIS, 1981: 232. **Syn. nov.** — Holotype (♂): “Mosk. obl. 19.VI.954. Solnečnogorsk T. VIKTOROV”, “*Golotypus Oresbius victorovi* JONAITIS”. Coll. ZMM, Moscow.

Oresbius sibiricus (ROMAN, 1909), **stat. nov.**

Microcryptus terrestris ROMAN var. *sibirica* ROMAN, 1909: 257. — Holotype (♀): “Nikandrovski insula 70°40’.”, “var. *sibirica* Rn.”. TOWNES (TOWNES, MOMOI, TOWNES 1965: 158) erroneously labeled it as lectotype. Coll. ROMAN, Stockholm (NRS).

Oresbius terrestris ROMAN var. *sibiricus*: TOWNES, MOMOI, TOWNES 1965: 158.

Oresbius terrestris (ROMAN, 1909), **comb. nov.**

Microcryptus terrestris ROMAN, 1909: 254. — Lectotype (♀): “Lu. L., [from the underside:] 1904”, “21/8, [from the underside:] ARn”, vide: Taf. 4, Fig. 15; — paralectotypes (2 ♀♀): “Lu. L., [from the underside:] 1904”, “23/8, [from the underside:] ARn”. All types here designated, Coll. ROMAN, Stockholm (NRS).

Polytribax picticornis (RUTHE, 1859)

Cryptus picticornis RUTHE, 1859: 365. — Paralectotype (1♂) by designation of FITTON (1978: 77): “Ruthe Type”, “*Cryptus picticornis* m.”. Coll. NMW, Vienna.

Microcryptus Gravenhorsti THOMSON, 1883: 854. **Syn. nov.** — Lectotype (♂) here designated: “Rsiö”, FITTON (1982: 61) labeled it as syntype. Coll. THOMSON, Lund (ZIL).

Plectocryptus effeminatus (GRAVENHORST, 1829), **comb. nov.**

Cryptus (Cryptus) effeminatus GRAVENHORST, 1829a: 532. — Holotype (♂): without label, Coll. GRAVENHORST, Wrocław (UW).

Phygadeuon flavopunctatus BRIDGMAN, 1889: 414. **Syn. nov.** — Lectotype (♂) by designation of HORSTMANN (1972: 223): “Mousehold 3.10.81” (from the underside). Coll. CM, Norwich.

Microcryptus clavatus KRIECHBAUMER, 1893: 57. **Syn. nov.** — Holotype (♂) in Coll. KRIECHBAUMER, München (ZSBS) (SAWONIEWICZ 1984: 321).

Microcryptus armatus KRIECHBAUMER, 1893: 123. **Syn. nov.** — Lectotype (♀) in Coll. KRIECHBAUMER, München (ZSBS) (SAWONIEWICZ 1984: 321).

Acanthocryptus lancifer ROMAN, 1952: 6, **Syn. nov.** — Lectotype (♀) and paralectotype (♀) in Coll. ROMAN, Stockholm (NRS) (SAWONIEWICZ 1984: 321).

Plectocryptus poecilops (KRIECHBAUMER, 1891), **comb. nov.**

Microcryptus poecilops KRIECHBAUMER, 1891: 169. — Holotype (♂) det. AUBERT (1974: 268): “71, 163”, “*Microcrypt. poecilops* ♂. m.”. Coll. KRIECHBAUMER, München (ZSBS).

ROMAN (1925: 3) erroneously synonymized this species with *Microcryptus alutaceus* THOMSON.

Schenkia graminicola (GRAVENHORST, 1829)

Cryptus (Cryptus) brevicornis GRAVENHORST, 1829a: 511. Syn. THOMSON (1883: 852). — Holotype (♂) det. TOWNES, GUPTA, (1962: 205) (= holotype labeled by FRILLI 1978: 155): without label. Coll. GRAVENHORST, Wrocław (UW).

Cryptus (Cryptus) humilis GRAVENHORST, 1829a: 604. Syn. THOMSON (1883: 852). — Holotype (♂) det. TOWNES, GUPTA (1962: 205): without label, Coll. GRAVENHORST, Wrocław (UW).

Cryptus (Phygadeuon) graminicola GRAVENHORST, 1829a: 673. — Lectotype (♀) lost. — Neotype (♀) by designation of FRILLI (1974: 180) in the TOWNES collection in Gainesville, Florida, U.S.A. I have not seen the types.

Schenkia alta JONAITIS, 1981: 234. **Syn. nov.** — Holotype (♀): “Kosino 13.VI.16”, “Golotypus *Schenkia alta* JONAITIS”, Coll. ZMM, Moscow.

Pleolophus cerinostomus (GRAVENHORST, 1829), **comb. nov.**

Cryptus (Phygadeuon) cerinostomus GRAVENHORST, 1829a: 714. — Holotype (♂): without label, Coll. GRAVENHORST, Wrocław (UW).

Phygadeuon cerinostomus: TASCHENBERG 1865: 53, SCHMIEDEKNECHT 1905: 751, FRILLI 1974: 187.

PFANKUCH (1923: 81) erroneously synonymized this species with *Aptesis jejunator* (GRAV.) (= *Microcryptus abominator* GRAV.).

Aptesis flagitator (ROSSI, 1794)

Ichneumon flagitator ROSSI, 1794: 108 Types lost?

Cryptus flagitator: GRAVENHORST 1829a: 627. Description based on 1 ♀ in the GRAVENHORST Coll., Wrocław (UW).

“*Cryptus flagitator* ROSSI var. 1?” GRAVENHORST, 1829b: 705. Description of 2♀♀, Coll. GRAVENHORST, Wrocław (UW). DESVIGNES (1856: 58) gave as “Var.? *Crypti flagitatoris*, GRAV. i. Sup. 705”.

Cryptus hopei DESVIGNES, 1856: 58. **Syn. nov.** — Lectotype (♀): “var. 1”; — paralectotype (1♀): without labels. Types here designated, Coll. GRAVENHORST, Wrocław (UW).

Acanthocryptus (Phyzelus) Hopei MORLEY, 1907: 56. Syn. AUBERT (1975: 14). — Lectotype (♀): “10. VII. 99.” (from the underside), “British Isles C. MORLEY Coll. B.M. 1952–159”, Coll. B.M., London. — Paralectotypes (3♀♀): 1♀ — “11. VI. 1900 Barton Mills”, “Claude MORLEY Collection B.M. 1952–159.”, Coll. B.M., London; 2♀♀ — “var. 1” and without labels, Coll. GRAVENHORST, Wrocław (UW). All types here designated.

DESVIGNES (1856: 58) made *Cryptus hopei* the variety “*Cryptus flagitator* ROSSI var. 1?” from a description of GRAVENHORST (1829b: 705) based on 2♀♀ collected by HOPE near Netley (England). MORLEY (1907: 57) and FITTON (1976: 326) mistook 3♀♀ as syntypes of this name. The mentioned lectotype (♀) has never existed. Syntypes of this name are only 2♀♀ in the collection of GRAVENHORST (UW). MORLEY (1907: 57) recognized *Cryptus hopei* DESVIGNES (1856: 58) as a nomen nudum (although DESVIGNES refers his own name to the description of *Cryptus flagitator* var. GRAV.), and described the new species *Acanthocryptus (Phyzelus) hopei* for which he mentions female syntypes from the British Museum (BM); 2♀♀ in the GRAVENHORST collection (UW) are also syntypes, because MORLEY refers to the description of “*Cryptus flagitator* var.” GRAVENHORST. Thus, the 2♀♀ in the GRAVENHORST collection in Wrocław (UW), are syntypes of 2 described, species’ names.

Aptesis leucotarsa (GRAVENHORST, 1829), **comb. nov.**

Cryptus (*Cryptus*) *leucotarsus* GRAVENHORST, 1829a: 524. — Lectotype (♂) and paralectotype (1♂) here designated: without labels, Coll. GRAVENHORST, Wrocław (UW).

Microcryptus amoenus KRIECHBAUMER, 1892: 362. **Syn. nov.** — Holotype (♂) det. AUBERT (1968: 192): "Worms 22.6.91 Hb.", "*Microcrypt. amoenus* ♂ KRCHB. 8.12.1892. p. 302". Coll. KRIECHBAUMER, München (ZSBS).

PFANKUCH (1920: 41) erroneously synonymized *C. leucotarsus* GRAV. with *Polytribax perspicillator* (GRAV.) (= *Plectocryptus perspicillator* GRAV.).

Agrothereutes albovinctus (GRAVENHORST, 1829), **comb. nov.**

Cryptus (*Cryptus*) *albovinctus* GRAVENHORST, 1829a: 591. — Holotype (♀) without label, Coll. GRAVENHORST, Wrocław (UW).

Agrothereutes curiosus (SZÉPLIGETI, 1916)

Gambrus (*Spilocryptus*) *curiosus* SZÉPLIGETI, 1916: 259. — Lectotype (♀) by designation of PAPP: "Nantua", "19. *Spilocrypt. curiosus* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Agrothereutes curiosus: AUBERT 1957: 220.

Agrothereutes temporalis (SZÉPLIGETI, 1916), **comb. nov.**

Gambrus (*Spilocryptus*) *temporalis* SZÉPLIGETI, 1916: 256. — Lectotype (♀) here designated: "Budapest", "April 29.", "*G. (Spilocrypt.) temporalis* n.sp."; — paralectotypes (3♀ and 8 ♂♂) here designated: "Budapest". All types ex the same cocoon of *Cimbex* sp. (*Symphyta*). Coll. SZÉPLIGETI, Budapest (TMA).

Agrothereutes thoracicus (SZÉPLIGETI, 1916)

Gambrus (*Spilocryptus*) *thoracicus* SZÉPLIGETI, 1916: 256. — Holotype (♀): "S. France", "*Spilocrypt. thoracicus* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Agrothereutes thoracicus: AUBERT 1957: 220.

Gambrus opacus SZÉPLIGETI, 1916

Gambrus opacus SZÉPLIGETI, 1916: 254. — Holotype (♀): "Vcciani" (from the underside), "Coll. MARSHALL", "*Gambrus opacus* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Aritranis confector (GRAVENHORST, 1829)

Cryptus (*Cryptus*) *confeator* GRAVENHORST, 1829a: 518. — Holotype (♀): without label, Coll. GRAVENHORST, Wrocław (UW).

Hoplocryptus caudatus SZÉPLIGETI, 1916: 253. **Syn. nov.** — Lectotype (♀): "P. Maróth SZÉPLIGETI",

"*Hoplocrypt. caudatus* ♀ n.sp. 9"; — paralectotype (1♀): "Kalocsa". Both types here designated, Coll. SZÉPLIGETI, Budapest (TMA).

Gambrus (Spilocryptus) quadratus SZÉPLIGETI, 1916: 261, **Syn. nov.** — Holotype (♀): "Kis-Pöse Méhely", "*Spilocrypt. quadratus* n.sp. 24", Coll. SZÉPLIGETI, Budapest (TMA).

Aritranis coxator (TSCHEK, 1870)

Cryptus coxator TSCHEK, 1870: 140. Holotype (♀) not examined.

Gambrus bicolor SZÉPLIGETI, 1916: 254. **Syn. nov.** — Holotype (♀): "Kolozsvár", "*Gambrus bicolor* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Gambrus (Spilocryptus) coxalis SZÉPLIGETI, 1916: 261. **Syn. nov.** — Holotype (♀): "Budapest", "*G. Spilocrypt. coxalis* n.sp. 24", Coll. SZÉPLIGETI, Budapest (TMA).

Aritranis fugitiva (GRAVENHORST, 1829)

Cryptus (Cryptus) fugitivus GRAVENHORST, 1829a: 515. — Lectotype (♀) by designation of FRILLI (1978: 155) "f", Coll. GRAVENHORST, Wrocław (UW).

Gambrus tegularis SZÉPLIGETI, 1916: 254. **Syn. nov.** — Holotype (♀): "Bpest FRIVALDSZKY", "*Gambrus tegularis* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Gambrus (Spilocryptus) pseudocryptus SZÉPLIGETI, 1916: 261. **Syn. nov.** — Holotype (♀): "SZÉPLIGETI Pápa", "*Spilocryptus pseudocryptus* n.sp. 24", Coll. SZÉPLIGETI, Budapest (TMA).

Aritranis heliophila (TSCHEK, 1870)

Aritranis heliophila: SAWONIEWICZ 1984: 323, HORSTMANN 1985: 14.

Xylophrurus meridionalis SZÉPLIGETI, 1916: 238. **Syn. nov.** — Lectotype (♀): "Graecia", "*Xylophrurus meridionalis* n.sp."; — paralectotype (1♀): "Spalato Horváth". Both types here designated, Coll. SZÉPLIGETI, Budapest (TMA).

Gambrus (Spilocryptus) semirufus SZÉPLIGETI, 1916: 260. **Syn. nov.** Holotype (♀): "Syrien Haifa REITTER.", "*Spilocr. semirufus* n.sp.", Coll. SZÉPLIGETI, Budapest (TMA).

Pycnocryptus nigrifemur (SZÉPLIGETI, 1916), **comb. nov.**

Gambrus (Spilocryptus) nigrifemur SZÉPLIGETI, 1916: 259. — Lectotype (♀): "SZÉPLIGETI P. Marót", "*Spilocrypt. nigrifem.* 14". — Paralectotypes (6♀ and 2 ♂♂): 1♀ — "SZÉPLIGETI P. Marót"; 2♀♀ — "P. Marót"; 1♀ — "SZÉPLIGETI 3.", "... Budapest, from the underside: 896.V.17"; 1♀ — "Budapest"; 1♀ — "Déva 99.6.3."; 1♂ — "Szomotor. 22.6.81"; 1♂ — "Erdőalja Csiki". All types here designated, Coll. SZÉPLIGETI, Budapest (TMA).

Cryptus fibulatus GRAVENHORST, 1829

Cryptus (Cryptus) fibulatus GRAVENHORST, 1829a: 446. — Holotype (♂) det. VAN ROSSEM (1969: 336): without label, coll. GRAVENHORST, Wrocław (UW).

Cryptus antennalis SZÉPLIGETI, 1916: 245. **Syn. nov.** — Holotype (♀): "Budapest Ó-Buda", "95.VIII.18. SZÉPLIGETI, "*Cryptus antennalis* n.sp. 19.", Coll. SZÉPLIGETI, Budapest (TMA).

Cryptus inquisitor TSCHEK, 1870

Cryptus inquisitor TSCHEK, 1870: 129. Types not examined.

Cryptus alboscuteellaris SZÉPLIGETI, 1916: 245. **Syn. nov.** — Lectotype (♀) here designated: "Budapest SZÉPLIGETI", Coll. SZÉPLIGETI, Budapest (TMA).

"Synechocryptus" crenulatus (BRAUNS, 1896)

Cryptus crenulatus BRAUNS, 1896: 271. — Lectotype (♀) by designation of VAN ROSSEM (1969: 310):

"Wallis, [from the underside:] Schwerin", "*Cryptus crenulatus* BRAUNS", Coll. MN, Berlin.

— Paralectotypes (2♀) by designation of HORSTMANN: "Segesvárt Mocsáry, [from the underside:] 603./28". (1♀); "Erdely Mocsáry" (1♀). Both paralectotypes in the collection TMA, Budapest.

Caenocryptus czekeliusi KISS, 1930: 106. **Syn. nov.** — Holotype (♀) det. SAWONIEWICZ (1984: 325):

"Szilágycseh Dr. Z. KISS, [from the underside:] VII.8", Coll. TMA, Budapest.

Synechocryptus crenulatus: VAN ROSSEM 1969: 371.

Mesostenus corsicus (SZÉPLIGETI, 1916)

Stenaraeus corsicus SZÉPLIGETI, 1916: 321. — Lectotype (♀): "Ajaccio" (from the underside), "Coll.

MARSHALL", "*Stenaraeus corsicus* n.sp."; — paralectotype (1♀): "[*Mesostenus* sp.? VCCIANI". Both types here designated, Coll. SZÉPLIGETI, Budapest.

Mesostenus corsicus: AUBERT 1966: 84.

Listrognathus hispanicus SZÉPLIGETI, 1916

Listrognathus hispanicus SZÉPLIGETI, 1916: 277. — Lectotype (♀): "Granda", "562/14.", "*Listrognathus*

hispanicus n.sp.". — Paralectotypes (3♀ and 4♂): "Granda", "562/15" or "562/14". All types here designated, Coll. SZÉPLIGETI, Budapest (TMA).

Mesostenus funebris GRAVENHORST, 1829

Cryptus (Mesostenus) funebris GRAVENHORST, 1829a: 775. — Holotype (♀) det. TOWNES (TOWNES, MOMOI, TOWNES 1965: 194): without label, Coll. GRAVENHORST, Wrocław (UW).

Neomesostenus niger SZÉPLIGETI, 1916: 291. **Syn. nov.** — Holotype (♀): Resicza MERKL ...", "616/50", "*Neomesost. niger* 5", Coll. SZÉPLIGETI, Budapest (TMA).

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STRESZCZENIE

[Tytuł: Rewizja niektórych typów opisowych europejskich *Ichneumonidae* (*Hymenoptera*), 4]

Praca zawiera rewizję 51 typów opisowych gatunków nominalnych i odmian opisanych przez 14 autorów, które należą do 32 gatunków z podrodziny *Cryptinae*

(*Ichneumonidae*). Autor wyznaczył 13 lektotypów, ustalił 24 nowe synonimy i 9 nowych kombinacji oraz 1 odmianę podniósł do rangi gatunku.

РЕЗЮМЕ

[Заглавие: Ревизия некоторых типовых экземпляров европейских *Ichneumonidae* (*Hymenoptera*), 4]

Работа содержит ревизию 51 типов номинальных видов и разновидностей описанных 14 авторами, которые принадлежат к 32 видам из подсемейства *Cryptinae* (*Ichneumonidae*). Автор обозначил 13 лектотипов, установил 24 новых синонима и 9 новых комбинаций, а также одну разновидность повысил до ранга вида.

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