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**Revision of some type-specimens of European *Ichneumonidae*
(Hymenoptera), 2**

Abstract. The paper concerns 33 species of the *Ichneumonidae* (subfamilies: *Phygadeontinae*, *Ichneumoninae* and *Tryphoninae*). Basing on several collections, the descriptive types of 51 species-group forms described by 18 authors have been investigated, 16 lectotypes selected, 25 new synonyms and 6 new combinations proposed. News hosts for two species.

This paper contains a revision of some recovered types described by E. BAUER, V. BERTHOUMIEU, J. FAHRINGER, J. L. C. GRAVENHORST, J. GYÖRFI, H. HABERMEHL, Th. HARTIG, K. HEDWIG, G. HEINRICH, Z. v. KISS, J. KRIECHBAUMER, T. A. MARSHALL, Cl. MORLEY, O. SCHMIEDEKNECHT, E. L. TASCHENBERG, C. G. THOMSON, C. P. THUNBERG and A. ULBRICHT.

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

- BM — British Museum (Natural History), London, England,
HC — HINZ Collection, Einbeck, Federal Republic Germany,
HCZI — HORSTMANN Collection, Zoologisches Institut der Universität Würzburg, Federal Republic Germany,
MN — Museum für Naturkunde der Humboldt-Universität, Berlin,
IZPAN — Instytut Zoologii, PAN, Warszawa, Poland,
TC — TOWNES Collection, Ann Arbor, Michigan, U.S.A.,
TMA — Természettudományi Múzeum Állattára, Budapest, Hungary,
UU — University of Uppsala, Sweden,
UW — Uniwersytet Wrocławski, Muzeum Przyrodnicze, Wrocław, Poland,
ZIL — Zoological Institute, Lunds Universitet, Sweden,
ZSBS — Zoologische Sammlung des Bayerischen Staates, München, Federal Republic Germany.

*Phygadeuontinae**Gelis cursitans* (FABRICIUS, 1775)

Pezomachus tuberculatus HARTIG, 1838: 255. **syn. nov.** — Holotype (♀): "267", „*tuberculatus* n.". Coll. HARTIG, München (ZSBS).

Bathythrix maculata (HELLÉN, 1957)

Bathythrix maculatus: SAWONIEWICZ 1980: 328.

Hyperparasite — reared from cocoon of *Casinaria* sp. (*Ichneumonidae*), Łomna near Warszawa (IZPAN).

Theroscopus rufulus (GMELIN, 1790)

Cryptus rufulus: GRAVENHORST 1829: 622, SAWONIEWICZ 1978: 124.

Reared from pupa of *Hypera adspersa* (F.) (*Curculionidae*, *Coleoptera*), Łódź, leg. and cult. M. WANAT (IZPAN); from *Hypera* sp., Finland, Coll. KOPPONEN.

Megacara hortulana (GRAVENHORST, 1829), **comb. nov.**

Cryptus hortulanus GRAVENHORST, 1829: 575. — Lectotype (♀) here designated: "Braunschweig VI" (label ?). Coll. GRAVENHORST, Wrocław (UW).

Phygadeuon rusticellae BRIDGMANN, 1886. **syn. nov.**

Phygadeuon rusticellae f. *nigricoxata* AUBERT 1964,

Phygadeuon rusticellae hispanator AUBERT, 1968, **syn. nov.**

Megacara rusticellae: TOWNES 1983: 187.

It has been synonymized on the ground of 1 ♀ of *Megacara rusticellae* (BRIDGM.) (det. K. HORSTMANN, HCZI) and on the revision the species of genus *Megacara* TOWNES (TOWNES 1983: 186–189).

Phygadeuon ovatus (GRAVENHORST, 1829)

Phygadeuon ovatus GRAVENHORST, 1829: 668. Types lost.

Phygadeuon ovatus: HORSTMANN 1975: 104.

Phygadeuon caliginosus GRAVENHORST, 1829: 645. **syn. nov.** — Lectotype (♂) by designation of TOWNES (FRILLI 1974: 129): "m" Coll. GRAVENHORST, Wrocław (UW).

Mesoleptus laevigatus (GRAVENHORST, 1829)

Exolytus transsylvanicus KISS, 1924: 76. **syn. ROMAN** 1939: 103. — Holotype (♂): "Ispánmező Dr. KISS". Coll. KISS, Budapest (TMA).

?*Exolytus laevigatus* GRAV. var. *nigrifemur* KISS, 1924: 76. — Holotype (♂): "Oroszmező VII. 15". Coll. KISS, Budapest (TMA).

†*Exolytus slavonicus* KISS, 1924: 76. — Holotype (♂): "Lipiki Dr KISS". Coll. KISS, Budapest (TMA).

?*Atractodes rodnensis* (KISS, 1924)

Stilpnus rodnensis KISS, 1924: 77. — Holotype (♂): "Unökö Dr KISS". Coll. KISS, Budapest (TMA).

Orthizema graviceps (MARSHALL, 1868), **comb. nov.**

Aptesis graviceps MARSHALL, 1868: 155. — Lectotype (♀) by designation of FITTON (1976: 337): „*graviceps* M.". Coll. BM, London.

Javra anomala (MORLEY, 1908)

Diadegma anomala MORLEY, 1908: 275. — Holotype (♀) det. FITTON (1976: 340): "Lynton 1890". Coll. BM, London.

Microcryptus hedwigi HABERMEHL, 1929: 266. **syn. nov.** Holotype lost (HORSTMANN 1931: 78).

It has been synonymized on the ground of 1 ♀ of *M. hedwigi* HAB., det. K. HEDWIG: "Berel, Bersch. 7.7.51 K. HEDWIG" (HC) and original description.

Javra jemilleri (KRIECHBAUMER, 1893)

Microcryptus Jemilleri KRIECHBAUMER, 1893: 58. — Lectotype (♀) by designation of AUBERT (1974: 267): "Trostberg 22.6.91 JEMILLER", "Bavar. *Jemilleri* ♀. KRCHB.". Coll. KRIECHBAUMER, München (ZSBS).

Microcryptus gracilentus HABERMEHL, 1935: 103. **syn. nov.** — Holotype (♀) det. HORSTMANN (1983: 286): "Ober-Bayern Garmisch Kreuzeck 31.7.1928 c. 1650 m. E. BAUER". Coll. E. BAUER, München (ZSBS).

Microcryptus fuscoater HEINRICH, 1949: 60. **syn. nov.** — Lectotype (♀) here designated: "Berchtesgaden Jennermassiv 1200 m 5 Juli 47". "Typus", "*Microcryptus fuscoater* HEINR.". Coll. TC, Ann Arbor.

Javra tricincta (GRAVENHORST, 1829)

Javra tricincta: SAWONIEWICZ 1984: 318.

Microcryptus areolaris THOMSON, 1883: 858. **syn. nov.** — Lectotype (♀): „Löp."; — paralectotype (1 ♂): "Yd.". Both types here designated, Coll. THOMSON, Lund (ZIL).

Microcryptus areolaris: FITTON 1982: 61. Syntypes.

Cubocephalus anatorius (GRAVENHORST, 1829)

Cryptus anatorius GRAVENHORST, 1829: 460. — Lectotype (♀) by designation of TOWNES (TOWNES, GUPTA, TOWNES 1965: 155), without labels. Coll. GRAVENHORST, Wrocław (UW).

Cratocryptus anatorius GRAV. var. *rufomaculatus* ULBRICHT, 1926: 7. **syn. nov.** — Lectotype (♂) here designated: "Crefeld F. ULBRICHT 6.", "*Cratocryptus anatorius* v. *rufonotatus* [sic!] ULBR. ULBRICHT det.". Coll. E. BAUER, München (ZSBS).

Polytribax perspicillator (GRAVENHORST, 1807)

Polytribax perspicillator: SAWONIEWICZ 1984: 319.

Phygadeuon errator MARSHALL, 1868: 154. **syn. nov.** — Holotype (♀) det. FITTON (1976: 339): "London near *P. desertor* Gr.". Coll. BM, London.

Cryptus albatorius GRAV. v. *nigrifemur* KISS, 1930: 105. **syn. nov.** — Holotype (♂): "B. Ienő 927 IV. 28", Coll. KISS, Budapest (TMA).

Megaplectes Móczári GYÖRFI, 1944: 42. **syn. nov.** — Lectotype (♂): "Székelykeresztúr leg. MÓCZÁR 1943. VI", "*Megaplectes Móczári* GYÖRFI n. sp. typus."; — paralectotype (1 ♂): „Székelykeresztúr”, "Dr GYÖRFI". Both types here designated, Coll. TMA, Budapest.

Plectocryptus alpinus (KRIECHBAUMER, 1893)

Plectocryptus alpinus: SAWONIEWICZ: 1984: 320.

Microcryptus baueri HABERMEHL, 1935: 102. **syn. nov.** — Holotype (♀) det. HORSTMANN (1983:286): "Typus", "Tirol Greis i, Sulztal 1573 m. 15.VIII.1928. E. BAUER", "*Microcryptus baueri* HABERM. ♀ H. HABERMEHL det. ". Coll. E. BAUER, München (ZSBS).

Microcryptus bavaricus E. BAUER, 1939: 351. **syn. nov.** — Holotype (♂) det. Horstmann (1983: 284): „Ober -Bayern, Garmisch 700 m, 19.VIII.1928, E. BAUER". Coll. E. BAUER, München (ZSBS).

Plectocryptus bipunctatus (STROBL, 1901)

Plectocryptus bipunctatus: SAWONIEWICZ 1984: 320.

Microcryptus Franzi HEINRICH, 1951: 289. **syn. nov.** — Lectotype (♀) here designated: „Steiermark 1000 m 25.7.50 Hartlesgraben", "Typus", "*Microcryptus Franzi* HEINR.♀". Coll. TC, Ann Arbor.

Plectocryptus digitatus (GMELIN, 1790)

Plectocryptus digitatus: SAWONIEWICZ 1984: 320.

Cryptus bivinctus GRAVENHORST, 1829: 465. **syn. nov.** — Lectotype (♂) here designated: without labels. Coll. GRAVENHORST, Wrocław (UW).

Giraudia gyratoria (THUNBERG, 1822)

Ichneumon gyratorius THUNBERG, 1822: 252. — Lectotype (♂) here designated: "*Giraudia gyratoria* THBG." — ROMAN label. Coll. THUNBERG, Uppsala (UU).

Megaplectes dimimilis [sic!] KISS, 1924: 52. — Lectotype (♀) and paralectotype (1 ♀): "Ünökő Dr KISS", types here designated, Coll. KISS, Budapest (TMA). ROMAN (1939: 104) synonymized as *M. dissimilis* KISS with *G. gyratoria* THUNB.

Rhytura scotica (MARSHALL, 1868), **comb. nov.**

Phygadeuon scoticus MARSHALL, 1868: 154. — Lectotype (♀) by designation of FITTON (1976: 339): "Rannoch" [Scotland], "*scoticus* MARSH.". Coll. BM, London.

Aptesis scoticus: FITTON 1976:339.

♀. Ovipositor long, as long as hind tibia, decurved; apical margin of clypeus blunt; teeth of mandible equal.

Genus *Rhytura* TOWNES (TOWNES, GUPTA 1962: 244) new for Europe. This genus contains a single species, in eastern North America.

Megaplectes monticola (GRAVENHORST, 1829)

Ichneumon monticola GRAVENHORST, 1829b: 108 — Lectotype (♂) and paralectotype (1♂) here designated, without labels. Coll. GRAVENHORST, Wrocław (UW).

Eurylabus Andrei BERTHOUMIEU, 1896: 309. **syn. nov.** — Type lost ? According to original description.

Pleolophus sericans (GRAVENHORST, 1829)

Phygadeuon sericans GRAVENHORST, 1829: 702. — Lectotype (♂) by designation of OEHLKE (1966: 834): without labels. Coll. GRAVENHORST, Wrocław (UW).

Microcryptus eximius HABERMEHL, 1935: 106. **syn. nov.** — Holotype (♂) det. HORSTMANN (1983: 286): "Type", "Vitschgau St. Valentin auf der Haid 1470 m. 20.VII.1931, E. BAUER", "*Microcryptus eximius* ♀ [sic!] (n. sp.) HABERM. H. HABERMEHL det.". Coll. E. BAUER, München (ZSBS).

Aptesis alpicola (HABERMEHL, 1935), **comb. nov.**

Microcryptus alpicola HABERMEHL, 1935: 105. — Holotype (♀) det. HORSTMANN (1983: 286): "Vitschgau St. Valentin auf der Haid 1470 m. 14. VII. 1931 E. BAUER", "Type", "*Microcryptus alpicola* ♀ n. sp. HABERM. H. HABERMEHL det.". Coll. E. BAUER, München (ZSBS).

Aptesis jejunator (GRAVENHORST, 1807)

Ichneumon jejunator GRAVENHORST, 1807: 259. — Lectotype (♂) by designation of FRILLE (1974: 160), without labels, Coll. GRAVENHORST, Wrocław (UW).

Phygadeuon abductor GRAVENHORST, 1829: 726. **syn. nov.** — Lectotype (♀) by designation of TOWNES (TOWNES, MOMOI, TOWNES 1965: 164): "f". Coll. GRAVENHORST, Wrocław (UW).

Aptesis jejunator: FRILLI 1974: 159.

Aritranis nigripes (GRAVENHORST, 1829)

Aritranis nigripes: SAWONIEWICZ 1984: 323.

Spilocryptus Punguri KISS, 1915: 26. **syn. nov.** — Holotype (♀): "Német Bogsan Hungaria", Coll. KISS, Budapest (TMA).

ROMAN (1939: 105) synonymized *S. punguri* KISS with *Hoplocryptus nigripes fuscicornis* TSCHEK.

Agrothereutes abbreviator abbreviator (FABRICIUS, 1793)

Agrothereutes abbreviator abbreviator: TOWNES, TOWNES 1962: 52.

Gambrus cingulatus KISS, 1924: 58. **Syn. nov.** — Lectotype (♂) and paralectotypes (2 ♂♂) here designated: "Oroszmező Dr. KISS". Coll. KISS, Budapest (TMA).

Gambrus variegatus KISS, 1924: 60. **Syn. nov.** — Holotype (♂): "Oroszmező Dr. KISS", Coll. KISS, Budapest (TMA).

Pycnocryptus director (THUNBERG, 1822)

Hoplocryptus mediterraneus TSCHEK v. *hungaricus* KISS, 1924: 58. **Syn. nov.** — Holotype (♀): "Hadad Dr. KISS" Coll. KISS, Budapest (TMA).

Enclisis alboclypeata (KISS, 1924), **comb. nov.**

Hoplocryptus alboclypeatus KISS, 1924: 58. — Holotype (♂): "Retyezát Diószeghy", without abdomen. Coll. KISS, Budapest (TMA).

Stenarella gladiator (SCOPOLI, 1763)

Listrognathus transsylvanicus KISS, 1924: 60. **Syn. ROMAN** (1939: 104). — Holotype (♀): "Topánfalva 905 VIII 18", Coll. KISS, Budapest (TMA).

Xylophrurus lancifer (GRAVENHORST, 1829)

Ichneumon dispar THUNBERG, 1822: 256. — Lectotype (♀) here designated: "*Xylophrurus dispar* THBG ♀" — ROMAN label., Coll. THUNBERG, Uppsala (UU). Homonym with *I. dispar* GMELIN, 1790.

Echthrus lancifer GRAVENHORST, 1829a: 867. — Lectotype (♀): "Mr." — label?; paralectotype (1♀): without labels. Types here designated, coll. GRAVENHORST, Wrocław (UW).

Echthrus nubeculatus GRAVENHORST, 1829a: 866. **Syn. nov.** — Lectotype (♀) here designated: without labels, Coll. GRAVENHORST, Wrocław (UW). PFANKUCH (1920: 45) synonymized it with *Xylophrurus dispar* (THUNB.).

Xylophrurus dentatus (TASCHENBERG, 1865), **comb. nov.**

Cryptus spiralis: GRAVENHORST 1829: 447, ♂ nec ♀.

Cryptus dentatus TASCHENBERG, 1865: 73. — Lectotype (♂) here designated: "m", Coll. GRAVENHORST, Wrocław (UW).

*Ichneumoninae**Crypteffigies albilarvatus* (GRAVENHORST, 1820)

Megaplectes Deubeli KISS, 1924: 53, **Syn. ROMAN** (1939: 104). — Holotype (♀): "Brassó Deubel", Coll. KISS, Budapest (TMA).

Colpognathus celerator (GRAVENHORST, 1807)

?*Colpognathus celerator* GRAV. v. *rufus* KISS, 1933: 63. — Holotype (♀): "Siebenbuergen Kaisd-Saschiz E. v. SILBERNAGEL", "*Colpognathus celerator* var. *rufus* KISS det.", Coll. KISS, Budapest. (TMA).

Dirophanes maculicornis (STEPHENS, 1835)

Phaeogenes maculicornis: PERKINS 1959a: 103.

Microcryptus murinanae FAHRINGER in SCHIMITSCHEK, 1936: 586. Syn. nov. Types lost?

According to original description and the specimens reared from *Choristoneura murinana* (Hbn.) (*Tortricidae*, *Lepidoptera*).

*Tryphoninae**Idiogramma euryops* SCHMIEDEKNECHT, 1888

Idiogramma euryops SCHMIEDEKNECHT, 1888: 429. — Lectotype (♀): "*Idiogramma euryops* m., n. gen. A. "; — paralectotypes (2 ♀♀ and 6 ♂♂): without labels. All types here designated, without data, "ex Coll. FOERSTER". Coll. MN, Berlin.

Macrochasmus Alysina THOMSON, 1888. Syn. PERKINS (1959: 197). In collection of THOMSON (ZIL) there is only thorax of lectotype (FITTON 1982: 51). In the same collection there is additionally ♂ of this species determined by ROMAN.

According to TOWNES (1969: 193) FOERSTER was the author of "*Idiogramma euryops*", but actually this name was first used by SCHMIEDEKNECHT (1888: 429). SCHMIEDEKNECHT (1888: 429, 1907: 1157) noted that FOERSTER did not publish the name "*euryops*" but only gave it in his manuscript. Because of that SCHMIEDEKNECHT should be regarded as the author of *I. euryops* and the type-species of the genus *Idiogramma* FOERSTER, 1868 is *I. euryops* SCHMIEDEKNECHT not *I. euryops* FOERSTER. This opinion agrees with that of PERKINS (1959: 197 and 1962: 430) too.

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STRESZCZENIE

[Tytuł: Rewizja niektórych typów opisowych europejskich *Ichneumonidae* (*Hymenoptera*), 2]

Praca zawiera rewizję 51 typów *Ichneumonidae* z podrodzin: *Phygadeuontinae*, *Ichneumoninae* i *Tryphoninae*. Autor wyznaczył 16 lektotypów, ustalił 24 nowe synonimy i 6 nowych kombinacji. Nadto podano żywicieli dla dwóch gatunków.

РЕЗЮМЕ

[Заглавие: Ревизия некоторых типов европейских *Ichneumonidae* (*Hymenoptera*), 2]

В работе одержится ревизия 51 типа *Ichneumonidae* из подсемейств *Phygadeuontinae*, *Ichneumoninae* и *Tryphoninae*. Автор обозначил 16 лектотипов, установил 24 новых синонима и 6 новых комбинаций. Кроме того приведены хозяева двух видов.