

Cryptus buccatus TSCHKE, 1872 versus *Cryptus buccatus* CRESSON, 1872 (Hymenoptera: Ichneumonidae: Cryptinae)

Michael MADL

Abstract

The name *Cryptus buccatus* TSCHKE, 1872 (Ichneumonidae, Cryptinae) is restored with the valid name *Hoplocryptus buccatus* (TSCHKE, 1872). As *Cryptus buccatus* CRESSON, 1872 is a junior primary homonym, the new replacement name *Compsocryptus cressoni* nom.n. is provided. A synonymic list of both species is added.

Key words. Ichneumonidae, Cryptinae, *Cryptus buccatus*, primary homonymy, publication date, revalidation, new replacement name.

Zusammenfassung

Der Name *Cryptus buccatus* TSCHKE, 1872 (Ichneumonidae, Cryptinae) wird mit dem gültigen Namen *Hoplocryptus buccatus* (TSCHKE, 1872) wiederhergestellt. Für das jüngere primäre Homonym, *Cryptus buccatus* CRESSON, 1872, wird der neue Ersatzname *Compsocryptus cressoni* nom.n. vorgeschlagen. Eine synonymische Liste beider Taxa ist beigelegt.

Introduction

Compiling a catalogue of the Austrian Ichneumonidae based on papers published before 1900 I was faced with the primary homonymy of *Cryptus buccatus* TSCHKE, 1872 and *Cryptus buccatus* CRESSON, 1872. The homonymy was overlooked by DALLA TORRE (1902) and SCHMIEDEKNECHT (1908) in their world catalogues. After 125 years, YU & HORSTMANN (1997a: 217) recognized the homonymy and decided, that Tschek's name is the junior primary homonym. As YU & HORSTMANN (1997a) did not propose a new replacement name, SAWONIEWICZ (2003: 218) replaced Tschek's name with the oldest synonym *Spilocryptus magrettii* KRIECHBAUMER, 1893. SCHWARZ (2007: 1175) and YU et al. (2016) accepted the valid name *Hoplocryptus magrettii* (KRIECHBAUMER, 1893). Curiously, HORSTMANN (2001: 76) used also this name without making a taxonomic note.

Publication dates and taxonomy

As YU & HORSTMANN (1997a) did not give a reason for their decision, that Tschek's name is preoccupied by Cresson's name, I checked the publication dates of both papers. Tschek's paper, submitted at the meeting on 07.02.1872 (ANONYMOUS 1872: 13), was published on 03.07.1872 (ANONYMOUS 1873: 56) and Cresson's paper in November 1872 (CRESSON 1872: 159).

As the decision of YU & HORSTMANN (1997a) is incorrect and therefore also the taxonomy proposed by SAWONIEWICZ (2003), the name *Cryptus buccatus* TSCHKE, 1872 is restored. The valid name is *Hoplocryptus buccatus* (TSCHKE, 1872).

As *Cryptus buccatus* CRESSON, 1872 is a junior primary homonym without synonyms, the new replacement name *Compsocryptus cressoni* nom.n. is provided.

Synonymic list of both taxa

***Hoplocryptus buccatus* (TSCHEK, 1872) revalidated**

Cryptus buccatus n.sp.: TSCHEK 1872: 245 (description ♂, Austria without exact locality).

Hoplocryptus buccatus (TSCHEK, 1872): SCHMIEDEKNECHT 1890: 148 (taxonomy, key ♂), 150 (key ♂). – DALLA TORRE 1902: 607 (world catalogue: Lower Austria). – SCHMIEDEKNECHT 1904: 537 (key ♂), 547 (taxonomy (generic assignment doubtful), description ♂, Austria). – ANTIGA Y SUNYER & BOFILL Y PICHOT 1904: 30 (Spain). – SCHMIEDEKNECHT 1908: 39 (world catalogue: Central and South Europe). – ULBRICHT 1911: 145 (Germany). – ULBRICHT 1913: 4 (Germany). – HABERMEHL 1919: 287 (Switzerland). – HABERMEHL 1926: 146 (taxonomy, Germany), 149 (taxonomy, description ♀ ♂, types (two ♂♂ labelled “Piesting 1872 Tschek”) examined, Austria, Germany, Switzerland). – CEBALLOS 1931: 142 (key ♂), 162 (taxonomy, description ♂, Spain). – MEYER 1933 [not seen]. – SCHMIEDEKNECHT 1931: 5 (key ♂), 9 (key ♂), 26 (taxonomy, description ♀ ♂, biology, Germany, Switzerland, South Europe). – *Hoplocryptus buccatus* (TASCH. (correct: TSCHEK), 1872): FERRIERE 1947: 20 (incorrectly spelled “*Hoplocryptus buccatus* (TASCH.)”, biology, Switzerland). – CEBALLOS, DUSMET Y ALONSO & JUNCO Y REYES 1956: 162 (catalogue Hymenoptera Spain). – AERTS 1957: 155 (Germany). – ŠEDIVÝ 1959: 155 (Turkey). – SCHWARZ & SHAW 1998: 112–113 (taxonomy, lectotype designation by Martin Schwarz (printed label “Tschek 1872 Piesting”).

Aritranis buccata (TSCHEK, 1872): AUBERT 1970: 275 (taxonomy, France). – JONAITIS 1981 [not seen]. – KOLAROV 1995: 149 (catalogue Turkey). – YU & HORSTMANN 1997a: 217 (world catalogue: valid taxon, preoccupied by *Cryptus buccatus* CRESSON, 1872). – TSANKOV & MIRCHEV 1998: 19 (biology, Bulgaria). – KAŻMIERCZAK 2004: 13 (catalogue Poland).

Cryptus buccatus TSCHEK, 1872: SAWONIEWICZ 2003: 218 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893)). – SCHWARZ 2007: 1175 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893), junior homonym of *Cryptus buccatus* CRESSON, 1872). – YU et al. 2016: synonym, junior homonym of *Cryptus buccatus* CRESSON, 1872.

Spilocryptus Magrettii m.: KRIECHBAUMER 1893: 54 (description ♀, Italy (Lombardia) without exact locality).

Spilocryptus magrettii KRIECHBAUMER, 1893: DALLA TORRE 1902: 605 (world catalogue: Italy), SCHMIEDEKNECHT 1908: 41 (world catalogue: Italy), ZILAH KISS 1915: 26 (Romania: Boksánbánya (today Bocșa)). – KISS VON ZILAH 1930: 108 (Romania: Borosjenő (today Ineu)). – SCHWARZ & SHAW 1998: 112 (synonym, holotype examined).

Agrothereutes magrettii (KRIECHBAUMER, 1893): AUBERT 1974: 276 (taxonomy, Italy (exact data of holotype). – YU & HORSTMANN 1997a: 214 (world catalogue).

Hoplocryptus magrettii (KRIECHBAUMER, 1893): HORSTMANN 2001: 76 (catalogue Germany). – SAWONIEWICZ 2003: 218 (taxonomy, new replacement name for *Cryptus buccatus* TSCHEK, 1872, Poland). – HORSTMANN 2006: 23 (catalogue taxa described by J. Kriechbaumer from the western Palearctic Region and Central Asia: taxonomy according to SCHWARZ & SHAW (1998) and SAWONIEWICZ (2003)). – SCHWARZ 2007: 1164 (key ♀), 1168 (key ♂), 1175 (taxonomy, description ♀ ♂, biology, Andorra, Austria, Germany, France, Italy, Poland, Romania, Spain, Switzerland), 1216 (fig. 17), 1217 (fig. 27), 1218 (fig. 41). – YU et al. 2016 (records from Hungary by ZILAH KISS (not KISS) 1915 are from Romania).

Spilocryptus uffelni n.sp.: HABERMEHL 1929: 265 (description ♀, Switzerland).

Spilocryptus (Spilocryptus) uffelni HABERMEHL, 1929: SCHMIEDEKNECHT 1931: 6 (key ♀), (taxonomy, description ♀, Switzerland).

Gambrus uffelni (HABERMEHL, 1929): MEYER 1933 [not seen].

Agrothereutes uffelni (HABERMEHL, 1929): YU & HORSTMANN 1997a: 214 (world catalogue: taxonomy, Switzerland – not Germany).

Spilocryptus uffelni HABERMEHL, 1929: SCHWARZ & SHAW 1998: 112 (synonym). – SAWONIEWICZ 2003: 218 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893)). – SCHWARZ 2007: 1175 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893)). – YU et al. 2016: (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893), Switzerland – not Germany).

Spilocryptus alpicola n.sp.: HABERMEHL 1935: 101 (description ♀ (not ♂ – HORSTMANN 1983), Italy).

Spilocryptus alpicola HABERMEHL, 1935: BAUER 1936: 107 (Italy). – HORSTMANN 1983: 286 (taxonomy, Italy, type catalogue Erich Bauer Collection, Munich). SCHWARZ & SHAW 1998: 112 (synonym). – SAWONIEWICZ 2003: 218 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893)). – SCHWARZ 2007: 1175 (synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893)). – YU et al. 2016 (world catalogue: synonym of *Hoplocryptus magrettii* (KRIECHBAUMER, 1893), Italy).

Aritranis alpicola (HABERMEHL, 1935): SAWONIEWICZ 1990: 296 (taxonomy, Italy). – YU & HORSTMANN 1997a: 217 (world catalogue: Italy).

Distribution: Andorra, Austria, Bulgaria, France, Germany, Italy, Poland, Romania, Spain, Switzerland, Turkey.

***Cryptus buccatus* CRESSON, 1872 preoccupied = *Compsocryptus cressoni* nom.n.**

Cryptus buccatus n.sp.: CRESSON 1872: 159 (description ♀ ♂, Texas).

Cryptus buccatus CRESSON, 1872: CRESSON 1887: 195 (catalogue Nearctic Region: Texas). – DALLA TORRE 1902: 564 (world catalogue: Texas). – SCHMIEDEKNECHT 1908: 24 (world catalogue: Texas). – ROMAN 1910: 153 (taxonomy, catalogue Stockholm). – CRESSON 1916: 21 (type catalogue Hymenoptera described by E.Z. Cresson: types in Philadelphia (mainly) and Washington).

Compsocryptus buccatus (CRESSON, 1872): TOWNES 1944: 272 (catalogue Nearctic Region). – TOWNES & TOWNES 1951: 263 (catalogue Nearctic Region: Texas). – TOWNES & TOWNES 1962: 20 (taxonomy), 279 (key ♂), 281 (key ♀), 294 (taxonomy, description ♀ ♂, USA, Mexico), 565 (fig. 365). – TOWNES & TOWNES 1966: 76 (catalogue Neotropical Region: Mexico, USA). – CARLSON 1979: 467 (catalogue Nearctic Region: USA, Mexico). – YU & HORSTMANN 1997a: 229 (world catalogue: Texas). – KASPARYAN & RUÍZ CANCINO 2005: [not seen]. – YU et al. 2016 (world catalogue: taxonomy, biology, Mexico, USA).

Distribution: Nearctic Region: USA. – Neotropical Region: Mexico.

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References

- AERTS W., 1957: Die Schlupfwespen- (Ichneumoniden-)Fauna des Rheinlandes. – Decheniana 109 (2): 137–212.
- ANONYMOUS, 1872: Sitzung am 7. Februar 1872. – Verhandlungen der kaiserlich-königlichen Zoologisch-botanischen Gesellschaft in Wien 22 (1–2: Sitzungsberichte): 8–13.
- ANONYMOUS, 1873: Sitzung am 3. Juli 1872. – Verhandlungen der kaiserlich-königlichen Zoologisch-botanischen Gesellschaft in Wien 22 (3–4: Sitzungsberichte): 55–57.
- ANTIGA Y SUNYER P. & BOFILL Y PICHOT J.M., 1904: Catàlech de Insectes de Catalunya. Hymenòpters, II Família. – Ichneumonidae. – Institutio Catalana des Ciencias Naturals, Barcelona, 59 pp.

- AUBERT J.-F., 1970: Revision des travaux concernant les Ichneumonides de France et 7^e supplément au catalogue de Gaulle (100 espèces nouvelles pour la faune française). – Bulletin Mensuel de la Société Linnéenne de Lyon 39 (9): 279–280.
- AUBERT J.-F., 1974: Recherches des types de Kriechbaumer au Museum de Munich (Ichneum. Cyclopeusticae, Cryptinae et Ophioninae). – Bulletin Mensuel de la Société Linnéenne de Lyon 43 (7): 262–272.
- BAUER E., 1936: Beitrag zur Ichneumonidenfauna von San Valentino Alla Muta (Val Venosta). – Bollettino della Società Entomologica Italiana 68, 7: 103–111.
- CARLSON R.W., 1979: Ichneumonidae, pp. 315–740. – In: KROMBEIN K.V., HURD Jr. P.D., SMITH D.R. & BURKS B.D. (eds): Catalog of Hymenoptera in America North of Mexico Volume 1. Symphyta and Apocrita (Parasitica). – Smithsonian Institution Press, Washington, XVI + 1198 pp.
- CEBALLOS G., 1931: Estudios sobre Ichneumonídeos de España. II. Subfamilia Cryptinae (Tribu Cryptini). – Trabajos del Museo Nacional de Ciencias Naturales, Serie Zoológica, 56: 206 pp.
- CEBALLOS G., DUSMET Y ALONSO J.M. & JUNCO Y REYES J. DEL., 1956: Catálogo de los Himenópteros de España. – Consejo Superior de Investigaciones Científicas, Instituto Español de Entomología, Madrid, 554 pp., map.
- CRESSON E.T., 1872: Hymenoptera Texana. – Transactions of the American Entomological Society 4: 153–292.
- CRESSON E.T., 1887: Synopsis of the families and genera of the Hymenoptera of America, North of Mexico, together with a catalogue of the described species, and bibliography. – Transactions of the American Entomological Society, Supplementary Volume 1887: VI + 350 pp.
- CRESSON E.T., 1916: The Cresson types of Hymenoptera. – Memoirs of the American Entomological Society 1: 1–141.
- DALLA TORRE C.G. DE, 1902: Catalogus Hymenopterorum hucusque descriptorum systematicus et synonymicus Volumen III: Trigonalidae, Megalyridae, Stephanidae, Ichneumonidae, Agriotypidae, Evanidae, Pelecinidae. – Wilhelm Engelmann, Leipzig, pp. 545–1141.
- FERRIERE C., 1947: Hyménoptères térébrants du Parc National Suisse et des régions limitrophes. – Ergebnisse der wissenschaftlichen Untersuchung des schweizerischen Nationalparks 2 (Neue Folge) (15): 56 pp., map.
- HABERMEHL H., 1919: Beiträge zur Kenntnis der palaearktischen Ichneumonidenfauna. – Zeitschrift für Wissenschaftliche Insektenbiologie 14 (6): 285–292.
- HABERMEHL H., 1926: Beiträge zur Kenntnis der Cryptinengattungen *Spilocryptus* und *Hoplocryptus* C.G. THOMS. (Hym. Ichneum.). – Neue Beiträge zur Systematischen Insektenkunde 3 (13–14): 137–146; (15–16): 149–154; (17–18): 165–169.
- HABERMEHL H., 1935: Neue und wenig bekannte paläarktische Ichneumoniden (Hym.). VI. Nachtrag. – Deutsche Entomologische Zeitschrift 1935 (1–2): 97–111.
- HORSTMANN K., 1983: Die Ichneumoniden-Sammlung Erich Bauers in der Zoologischen Staatssammlung in München (Hymenoptera). – Spixiana 6 (3): 281–290.
- HORSTMANN K., 2001: Ichneumonidae. – In: DATHE H.H., TAEGER A. & BLANK S.M. (eds): Verzeichnis der Hautflügler Deutschlands. – Entomologische Nachrichten und Berichte (Dresden), Beiheft 7: 69–103.
- HORSTMANN K., 2006: Revisionen der von Kriechbaumer aus der Westpaläarktis und Zentralasien beschriebenen Ichneumonidae (Insecta, Hymenoptera). – Spixiana 29 (1): 1–30.
- JONAITIS V.P., 1981: A guide to the Insects of the European Part of the USSR. Hymenoptera, Ichneumonidae. Subfam. Gelinae (Cryptinae). – Opredeliteli Faune SSSR 129: 175–274. [not seen]
- KASPARYAN D.R. & RUÍZ CENCINO E., 2005: Avispas parasíticas de plagas otros insecta. Cryptini de México (Hymenoptera: Ichneumonidae: Cryptinae). Parte I. – Ciudad Victoria (Universidad Autónoma de Tamaulipas): 287 pp. [not seen]

- KĄŻMIERCZAK T., 2004: Checklist of Ichneumonidae (Hymenoptera) of Poland. – Electronic Journal of Polish Agricultural Universities, Series Forestry 7 (2): 1–63.
- KISS VON ZILAH A., 1930: Dritter Beitrag zur Kenntnis der ungarischen und siebenbürgischen Ichneumoniden- (Schlupfwespen-) Fauna. – Verhandlungen und Mitteilungen des siebenbürgischen Vereins für Naturwissenschaften zu Hermannstadt 79–80: 89–144.
- KOLAROV J.A., 1995: A catalogue of the Turkish Ichneumonidae (Hymenoptera). – Entomofauna 16 (7): 137–188.
- KRIECHBAUMER J., 1893: Cryptiden-Studien. – Entomologische Nachrichten 19 (4): 54–60.
- MEYER N.F., 1933: Tables systematiques des hymenopteres parasites (Fam. Ichneumonidae) de l'URSS et des pays limitrophes. Vol. 2. Cryptinae. – Leningrad, 325 pp. [not seen]
- ROMAN A., 1910: Notizen zur Schlupfwespensammlung des schwedischen Reichsmuseums. – Entomologisk Tidskrift 31 (2–3): 109–196.
- SAWONIEWICZ J., 1990: Revision of some type-specimens of European Ichneumonidae (Hymenoptera). 5. – Annales Zoologici 43 (12): 293–299.
- SAWONIEWICZ J., 2003: Zur Systematik und Faunistik europäischer Ichneumonidae II (Hymenoptera, Ichneumonidae). – Entomofauna 24 (15): 209–227.
- SCHMIEDEKNECHT O., 1890: Die Gattungen und Arten der Cryptinen revidiert und tabellarisch zusammengestellt. – Entomologische Nachrichten 16 (6): 81–88; (7): 97–104; (8): 113–123; (9): 129–135; (10): 145–150.
- SCHMIEDEKNECHT O., 1904–1906: Opuscula Ichneumonologica II (Fasc. VI–XIII): Cryptinae. – Eigenverlag, Blankenburg, pp. 411–998.
- SCHMIEDEKNECHT O., 1908: Hymenoptera Fam. Ichneumonidae Subfam. Cryptinae. – In: WYTSMAN, P. (ed.): Genera Insectorum 75: 1–165, 4 pls.
- SCHMIEDEKNECHT O., 1931: Opuscula Ichneumonologica. Supplement Band II (11): 1–32.
- SCHWARZ M., 2007: Revision der westpaläarktischen Arten der Gattung *Hoplocryptus* THOMSON (Hymenoptera, Ichneumonidae). – Linzer Biologische Beiträge 39 (2): 1161–1219.
- SCHWARZ M. & SHAW M.R., 1998: Western Palaearctic Cryptinae (Hymenoptera: Ichneumonidae) in the National Museums of Scotland, with nomenclatural changes, taxonomic notes, rearing records and special reference to the British check list. Part 1. Tribe Cryptini. – Entomologist's Gazette 49 (2): 10–127.
- ŠEDIVÝ J., 1959: Wissenschaftliche Ergebnisse der Zoologischen Expedition des National-Museums in Prag nach der Türkei 26. Hymenoptera Ichneumonidae. – Acta Faunistica Entomologica Musei Nationalis Pragae 33 (539): 107–116.
- TOWNES JR. H.K., 1944: A catalogue and reclassification of the Nearctic Ichneumonidae (Hymenoptera) Part I. The subfamilies Ichneumoninae, Tryphoninae, Cryptinae, Phaeogeninae and Lissonotinae. – Memoirs of the American Entomological Society 11: 1–477.
- TOWNES H.K. & TOWNES M., 1951: Family Ichneumonidae. – In: MUESEBECK C.F.W., KROMBEIN K.V. & TOWNES H.K. (eds): Hymenoptera of America North of Mexico – Synoptic catalog. – United States Department of Agriculture, Agriculture Monograph 2: 184–409.
- TOWNES H. & TOWNES M., 1962: Ichneumon-flies of America North of Mexico: 3. Subfamily Gelineae, Tribe Mesostenini. – United States National Museum Bulletin 216 (3): VIII + 602 pp.
- TOWNES H. & TOWNES M., 1966: A catalogue and reclassification of the Neotropical Ichneumonidae. – Memoirs of the American Entomological Institute 8: III + 367 pp.
- TSANKOV G. & MIRCHEV P., 1998: A contribution to the studies of Ichneumonidae (Hymenoptera) in Bulgaria. – Acta Entomologica Bulgarica 4 (2–4): 17–21.
- TSCHKE C., 1872: Ueber einige Cryptoiden, meist aus der österreichischen Fauna. – Verhandlungen der kaiserlich-königlichen Zoologisch-botanischen Gesellschaft in Wien 22 (1–2): 231–252.

- ULBRICHT A., 1911: Ichneumonidenstudien. – Archiv für Naturgeschichte 77 (1–2): 144–152.
- ULBRICHT A., 1913: Ichneumoniden der Umgegend Krefelds. II. Nachtrag. – Mitteilungen des Naturwissenschaftlichen Museums der Stadt Crefeld 1913: 1–17.
- YU D.S., ACHTERBERG C. VAN & HORSTMANN K., 2016: World Ichneumonoidea 2015. Taxonomy, Biology, Morphology and Distribution. – USB Flash Drive (Nepean, Canada).
- YU D.S. & HORSTMANN K., 1997a: A catalogue of World Ichneumonidae (Hymenoptera) Part 1: Subfamilies Acaenitinae to Ophioninae. – Memoirs of the American Entomological Institute 58 (1): VI + 763 pp.
- YU D.S. & HORSTMANN K., 1997b: A catalogue of World Ichneumonidae (Hymenoptera) Part 2: Subfamilies Orthocentrinae to Xoridinae. – Memoirs of the American Entomological Institute 58 (2): 764–1558.
- ZILÁHI KISS E., 1915: Újabb adatok Magyarországi Hymenoptera-faunájához. – Rovartani Lapok 22 (1–3): 19–33; (4–10): 76–86.

Author's address: Michael MADL,
 2nd Zoological Department, Natural History Museum Vienna,
 Burgring 7, 1010 Vienna, Austria.
 E-mail: michael.madl@nhm.at