

Contribution to the knowledge of the Ichneumoninae (Hymenoptera: Ichneumonidae) from the Iberian Peninsula

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In this paper 15 genera and 23 (sub)species of Ichneumoninae housed in the National Natuurhistorisch Museum, Leiden, are reported from the Iberian Peninsula. New data about the distribution and the related species are added.

Introduction

According to Horstmann (1980), the entomological collection of the Nationaal Natuurhistorisch Museum in Leiden preserves several parts of the Gravenhorst and Holmgren collections of Palaearctic Ichneumonidae. The subfamily Ichneumoninae is only represented by 38 species in the Gravenhorst's collection and by 3 species in the Holmgren's collection, all into the genus *Ichneumon* Linnaeus, 1758, (Horstmann, 1980), however, no Iberian material is present. The material listed in this paper originates from collections made in this century, and includes specimens from Andorra because of its affinity with the Spanish fauna. This paper presents part of the results of an extensive study of the Spanish Ichneumoninae present in several European institutions; the final goal is completing a revision of the Spanish Ichneumoninae.

The taxa are listed in alphabetical order by generic and specific name. The reference per species concern: 1) the original combination and description; 2) the label data; 3) the distribution in the Palaearctic region; and 4) the related similar species.

Results

Aethecerus nitidus Wesmael, [1845]

Aethecerus nitidus Wesmael, [1845]: 204. ♀ ♂.

Material.— 1 ♀ (RMNH), "Spain, Tarragona, km 7, 28.v.1960".

Distribution.— Austria, Belgium, Corsica, England, Finland, France, Germany, Netherlands, Italy, Peninsular Spain, Romania and Russia.

Related species.— *Aethecerus dispar* Wesmael, [1845].

Anisobas cingulatorius (Gravenhorst, 1820)

Ichneumon cingulatorius Gravenhorst, 1820: 309. ♂.

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Material.— 1 ♀ (RMNH), "Spain, Navarra, Peralta, 15.vi.1969, P.M.F. Verhoeff".

Distribution.— Afghanistan, Austria, Belgium, England, France, Germany, Italy, Iran, Peninsular Spain, Romania, Russia, Sweden and Turkey.

Related species.— *Anisobas parviceps* Thomson, 1888.

Anisobas hostilis (Gravenhorst, 1820)

Ichneumon hostilis Gravenhorst, 1820: 309. ♀.

Material.— 1 ♂ (RMNH), "Spain, León, Gordaliza del Pino, E. of Sahagún, 27.vi.1967, J. van der Vecht, on *Thapsia villosa* L.".

Distribution.— Belgium, England, France, Germany, Greece, Krk Island, Macedonia, Peninsular Spain, Romania and Turkestan.

Related species.— *Anisobas jugorum* Heinrich, 1949.

Barichneumon imitator (Kriechbaumer, 1882)

Ichneumon imitator Kriechbaumer, 1882: 239. ♀.

Material.— 1 ♀ (RMNH), "Spain, León, Valdefuentes, 22.vii. 1988, E.A.M. Speijer".

Distribution.— Czech Republic, France, Germany, Peninsular Spain and Russia.

Related species.— *Barichneumon bilunulatus* (Gravenhorst, 1829).

Barichneumon sexalbatus (Gravenhorst, 1820)

Ichneumon sexalbatus Gravenhorst, 1820: 312. ♀.

Material.— 1 ♂ (RMNH), "Spain, Toledo, 10.vii.1969, P.M.F. Verhoeff".

Distribution.— Belgium, Croatia, Cyprus, England, France, Germany, Hungary, Italy, Peninsular Spain and Russia.

Related species.— *Barichneumon sedulus* (Gravenhorst, 1829).

Colpognathus spec.

Material.— 1 ♂ (RMNH), "Spain, Burgos, Ibeas de Juarros, 22.vii.1988, E.A.M. Speijer".

Cratichneumon rufifrons (Gravenhorst, 1829)

Ichneumon rufifrons Gravenhorst, 1829: 139. ♀.

Material.— 1 ♂ (RMNH), "Andorra, Els Cortals d'Encamp, 3.viii.1983, P.H. v.Doesburg".

Distribution.— Belgium, England, France, Germany, Japan, Romania, Russia and Sweden.

Related species.— *Cratichneumon tenebrosus* (Wesmael, [1845]).

Cratichneumon viator (Scopoli, 1763)

Ichneumon viator Scopoli, 1763: 284. ♀.

Material.— 1 ♂ (RMNH), “Andorra, Aubinyà, 1400 m, 5.ix.1983, P.H. v.Doesburg”.

Distribution.— Austria, Belgium, Czech Republic, England, France, Germany, Italy, Japan, Peninsular Spain, Romania, Russia and Sweden.

Related species.— *Cratichneumon palliditarsis* (Thomson, 1887).

Ctenamblyteles homocerus (Wesmael, 1854)

Amblyteles homocerus Wesmael, 1854: 121. ♀ ♂.

Material.— 1 ♀ + 1 ♂ (RMNH), “Spain, Gerona, Rosas, 21-23. viii.1967, P.M.F. Verhoeff”; 1 ♂ (RMNH), “Spain, Navarra, Cizur Mayor, 20.vii.1986, E.A.M. Speijer”; 1 ♂ (RMNH), “Spain, Navarra, Puente la Reina, 23.vii.1988, E.A.M. Speijer”; 1 ♀ (RMNH), “Spain, Palencia, Cervatos de la Cueva, 20.vii.1988, E.A.M. Speijer”; 1 ♀ + 1 ♂ (RMNH), “Spain, Valencia, Villalaco, 20.vii.1988, E.A.M. Speijer”.

Distribution.— Algeria, China, France, Germany, Iran, Morocco, Peninsular Spain, Romania and Russia.

Related species.— *Thyrateles camelinus* (Wesmael, [1845]).

Diphyus raptorius (Linnaeus, 1758)

Ichneumon raptorius Linnaeus, 1758: 561. ♀.

Material.— 1 ♀ (RMNH), “Spain, Palencia, Villalaco, 20.vii.1988, E.A.M. Speijer”.

Distribution.— Belgium, England, France, Germany, Peninsular Spain, Romania, Russia and Sweden.

Related species.— *Diphyus septemguttatus* (Gravenhorst, 1829).

Heterischnus ridibundus (Costa, 1884)

Ischnus ridibundus Costa, 1884: 170. ♀.

Material.— 1 ♂ (RMNH), “Spain, Toledo, 16-18.viii.1967, P.M.F. Verhoeff”.

Distribution.— Corsica, France, Italy, Kreta, Mallorca, Peninsular Spain, Sicilia and Tunisia.

Related species.— *Heterischnus gallicator* (Aubert, 1960).

Ichneumon phaeostigmus Wesmael, 1857

Ichneumon phaeostigmus Wesmael, 1857: 373. ♀.

Material.— 2 ♂ ♂ (RMNH), “Spain, Palencia, Cervatos de la Cueva, 20.vii.1988, E.A.M. Speijer”.

Distribution.— Andorra, Croatia, England, France, Germany, Hungary, Italy, Peninsular Spain and Portugal.

Related species.— *Ichneumon haematofemur* Heinrich, 1980.

Ichneumon sarcitorius repetitor Kriechbaumer, 1882

Ichneumon repetitor Kriechbaumer, 1882: 237. ♀ ♂.

Material.— 1 ♀ (RMNH), "Spain, Málaga, Ronda, 25.vi.1969, P.M.F. Verhoeff"; 3 ♂ ♂ (RMNH), "Spain, Toledo, 25-27.vii.1967, P.M.F. Verhoeff".

Distribution.— Algeria, Azores Island, Canary Islands, France, Germany, Mallorca, Morocco, Peninsular Spain and Romania.

Related species.— *Ichneumon lautatorius* Desvignes, 1856.

Ichneumon sarcitorius sarcitorius Linnaeus, 1758

Ichneumon sarcitorius Linnaeus, 1758: 561. ♀.

Material.— 1 ♂ (RMNH), "Spain, Navarra, Cizur, 17.vii.1992, E.A.M. Speijer"; 1 ♀ (RMNH), "Spain, Navarra, Cizur Mayor, 20.vii. 1986, E.A.M. Speijer".

Distribution.— Austria, Belgium, Canary Islands, China, Denmark, England, France, Netherlands, Israel, Italy, Madeira, Morocco, Peninsular Spain, Romania, Russia, Sweden, Switzerland and Turkey.

Related species.— *Ichneumon lautatorius* Desvignes, 1856.

Ichneumon stramentarius stramentarius Gravenhorst, 1820

Ichneumon stramentarius Gravenhorst, 1820: 302. ♀.

Material.— 1 ♀ (RMNH), "Andorra, Coma de Forat, 2250 m, 8.ix.1983, P.H. v.Doesburg".

Distribution.— Austria, Belgium, England, France, Germany, Italy, Peninsular Spain, Poland, Romania, Russia and Sweden.

Related species.— *Ichneumon stramentor* Rasnitsyn, 1981.

Ichneumon xanthorius quadrifasciatus Gravenhorst, 1829

Ichneumon quadrifasciatus Gravenhorst, 1829: 402. ♂.

Material.— 2 ♂ ♂ (RMNH), "Spain, Palencia, Cervatos de la Cueva, 20.vii.1988, E.A.M. Speijer".

Distribution.— Algeria, England, France, Germany, Italy, Morocco, Peninsular Spain, Romania and Tunisia.

Related species.— *Ichneumon sexcinctus* Gravenhorst, 1829.

Lymantrichneumon disparis (Poda, 1761)

Spex disparis Poda, 1761: 107.

Material.— 1 ♂ (RMNH), "Spain, Navarra, Roncesvalles, 21.vii.1986, E.A.M. Speijer".

Distribution.— Austria, Belgium, England, France, Germany, Japan, Peninsular Spain, Romania and Russia.

Related species.— *Lymantrichneumon melanurus* (Kriechbaumer, 1895).

Limerodes arctiventris (Boie, 1841)

Ichneumon arctiventris Boie, 1841: 319. ♀ ♂.

Material.— 1 ♂ (RMNH), "Spain, Palencia, Astudillo, 20.vii.1988, E.A.M. Speijer".

Distribution.— Belgium, France, Germany, Peninsular Spain, Romania and Sweden.

Related species.— *Limerodops* spp.

Spilothyrates fabricii (Schränk, 1802)

Ichneumon fabricii Schränk, 1802: 267. ♀.

Material.— 1 ♀ (RMNH), "Spain, Toledo, 10.vii.1969, P.M.F. Verhoeff".

Distribution.— Austria, Croatia, England, France, Germany, Peninsular Spain and Romania.

Related species.— *Spilothyrates punctus* (Gravenhorst, 1829).

Sypsis scutellator (Gravenhorst, 1829)

Ichneumon scutellator Gravenhorst, 1829: 175. ♀ ♂.

Material.— 1 ♀ (RMNH), "Spain, Palencia, Cervatos de la Cueva, 20.vii.1988, E.A.M. Speijer".

Distribution.— Algeria, Belgium, England, France, Germany, Italy, Peninsular Spain, Romania and Russia.

Related species.— *Sypsis tentator* (Wesmael, 1857).

Tycherus fuscicornis mediterraneus (Aubert, 1958)

Phaeogenes fuscicornis mediterraneus Aubert, 1958: 142. ♀ ♂.

Material.— 1 ♀ (RMNH), "Spain, Teruel, Peralejos, 1000 m, 26.v.1960, exc. R.M.N.H.".

Distribution.— France, Italy and Peninsular Spain.

Related species.— *Tycherus vafer* (Wesmael, [1845]).

Virgichneumon digrammus (Gravenhorst, 1820)

Ichneumon digrammus Gravenhorst, 1820: 288. ♂.

Material.— 1 ♀ + 1 ♂ (RMNH), "Spain, León, Gordaliza del Pino, E. of Sahagún, 27.vi.1967, J. van der Vecht, on *Tapsia villosa* L."; 1 ♂ (RMNH), "Spain, Tarragona, Cabo Salou, 16-28.vi.1966, G. van Rossem".

Distribution.— Austria, England, France, Germany, Italy, Mallorca, Peninsular Spain, Poland, Romania, Russia and Sweden.

Related species.— *Virgichneumon albosignatus* (Gravenhorst, 1829).

Virgichneumon monostagon (Gravenhorst, 1820)

Ichneumon monostagon Gravenhorst, 1820: 287. ♂.

Material.— 1 ♀ (RMNH), "Spain, Navarra, Cizur, 17.vii.1992, E.A.M. Speijer".

Distribution.— Belgium, England, France, Germany, Italy, Peninsular Spain, Romania, Russia and Sweden.

Related species.— *Virgichneumon leucomelas* (Gmelin, 1790).

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