

## New Ichneumonid Species (Hymenoptera, Ichneumonidae) for the Romanian Fauna

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## Summary

The authors present 4 new ichneumonid species for the Romanian fauna, belonging to 4 genera of the subfamilies Diplazontinae and Scolobatinae, collected by the authors in the northern Moldavia province. These 4 ichneumonid species are: *Promethes bridgmani* FITTON, *Trematopygus vellicatus* GRAV., *Mesoleptidea gracilis* HOLMGR. and *Gunomeria macrodactyla* HOLMGR.

## Rezumat

## Specii noi de ihneumonide (Hymenoptera: Ichneumonidae) în fauna României

Autorii prezintă 4 specii de ihneumonide ce aparțin la 4 genuri din subfamiliile Diplazontinae și Scolobatinae, colectate din nordul Moldovei. Aceste 4 specii de ihneumonide sunt noi pentru fauna României: *Promethes bridgmani* FITTON, *Trematopygus vellicans* GRAV., *Mesoleptidea gracilis* HOLMGR. și *Gunomeria macrodactyla* HOLMGR. Pentru fiecare specie se prezintă diagnoza, gazdele cunoscute și răspândirea geografică.

**Keywords:** Ichneumonidae, Diplazontinae, Scolobatinae, new species, Romanian Fauna

## Introduction

In this paper the authors present 4 new ichneumonid species for the Romanian fauna, belonging to 4 genera of the subfamilies Diplazontinae and Scolobatinae, collected by the authors. These 4 ichneumonid species are: *Promethes bridgmani* FITTON, *Trematopygus vellicans* GRAV., *Mesoleptidea gracilis* HOLMGR. and

*Gunomeria macrodactyla*. The diagnosis, known hosts and geographical distribution for these species are presented.

Family Ichneumonidae LATREILLE, 1802  
Subfamily Diplazontinae HOPPER, 1959

I. Genus *Promethes* FÖRSTER, 1868

*Promethes bridgmani* FITTON, 1978, ♂  
synonym: *Promethes scutellaris* BRIDGMAN, 1886, praecoc. (ATANASOV et al. 1981)

**Material:** 1 ♂, September 2, 1953, Iacobeni, Suceava county.

Length: 6.5 mm. Head transverse, polished, black; frons smooth, without longitudinal carina. Yellow on palpi, face and frons margins. Antennae thin, enough long, with 22 flagellar segments, scape yellow on ventral side. Clypeus with coarse points. Thorax polished, with indistinct notauli. Propodeum areolated; basal area evident. Scutellum pale yellow. Stigma yellowish. Nervulus opposite basal vein; nervellus broken below the middle. Legs yellow-reddish. Coxae and trochanters whitish. Abdomen black, prolonged, stout, lateral compressed apically. Tergite 1 long, with rather

large spiracles far from base; postpetiole, at least behind the middle longer rather than broad. Tergite 2 narrowing towards base; only between thyridia faint striped. Tergites 2-5 with lateral pale yellow spots.

**Ecology:** unknown.

**Geographical distribution:** England, Germany.

Subfamily Scolobatinae TOWNES, 1951

II. Genus *Trematopygus* HOLMGREN, 1855

2. *Trematopygus vellicans* GRAVENHORST, 1829, ♀

**Material:** 1 ♀, June 6, 1968, "Slatioara Secular Forest" natural reservation, Suceava county.

Length: 7.5 mm. Body polished, fine rugulose and punctate. Head transverse, almost not narrowing behind the eyes. Frons densely rugulose, little prominent, with longitudinal carina. Antennae less short than body. Face fine punctate. Clypeus polished enough, large and sparse punctate, with rounded anterior margin. Thorax evidently narrower than head. Mesoscutum with obvious notauli. Mesopleurae fine rugulose. Propodeum obviously areolated. Areolet absent. Nervellus broken far below the middle. Abdomen little longer than head with thorax. Anterior tergites covered with large points. Ovipositor short, little curved

upward.

Black. Mandibles dark red. Wings almost colourless. Tegulae red brown. Antennae reddish, with dark scape and apex. Stigma blackish, with white base. Legs red; coxae black. Tergites 2-4 red, tergite 4 with black apex.

**Hosts:** *Dolerus genucinctus* ZADD., *Dolerus vestigialis* KLUG. (Hym., Tenthredinidae).

**Geographical distribution:** Poland, Sweden, Russia (St. Petersburg, Tambov, Penza, Samara, Perm, Minusinsk), Finland (TOWNES et al. 1965) (JUSSILA 1976).

### III. Genus *Mesoleptidea* VIERECK, 1912

SYNONYM: *Mesoleptus* SCHMIEDEKNECHT, 1913; non GRAVENHORST, 1829

3. *Mesoleptidea gracilis* HOLMGREN, 1854, ♀

**Material:** 2 ♀♀, July 16, 1968, "Slătioara Secular Forest" natural reservation, Suceava county.

Length: 9.5 mm. Head little narrowed behind eyes. Antennae less short than body. Clypeus with roundly anterior margin. Mandibles with equal teeth. Mesoscutum with short notauli. Epicnemial obvious. Propodeum fine rugulose, with obvious carinae; areola prolonged. Areolet present. Nervellus broken little below the middle. Tergite 1 little curved, with traces of longitudinal groove.

Black. Palpi, clypeus and face polished. Antennae reddish, scape yellow on ventral side. Wings almost colourless; stigma reddish yellow; tegulae yellowish white. Legs reddish; coxae, trochanters and front femorae yellowish. Tergite 1 black, the other tergites more or less red.

**Ecology:** unknown.

**Geographical distribution:** Central and Northern Europe.

### IV. Genus *Gunomeria* SCHMIEDEKNECHT, 1907

4. *Gunomeria macrodactyla* HOLMGREN, 1854, ♀, ♂

**Material:** 10 ♀♀ and 9 ♂♂, collected in June and July 1963 and 1968 from "Slătioara Secular Forest", Suceava county.

Length: 6.5 mm.

♀. Head obviously narrowed behind the eyes. Antennae long as body. Temples polished, sparse punctate. Cheeks short; clypeus with right anterior margin. Mandibles with equal teeth. Mesoscutum polished, little punctate, with non obvious notauli. Propodeum non areolated, smooth and polished. Areolet triangular,

pedicellar. Stigma narrow. Nervellus behind basal vein; nervellus broken at the middle. Coxae and hind femorae obviously thickened. Spurs of hind tibiae long, reaching the half of first tarsal segment. Last tarsal segment very large, obviously curved, much longer than next one. Tergite 1 broadens gradually behind; spiracles in the middle. Abdomen polished. Ovipositor short.

Black. Mandibles, clypeus, cheek apex, face margin and scutellum yellow. Antennae red yellow, scape black on dorsal side. Wings little darkened; stigma reddish yellow; tegulae light yellow. Legs yellow red; coxae black, the front ones with yellowish apex. Front trochanters and base of hind tibiae yellow. Abdomen red, tergite 1 black with red, hind margin of tergites 5-7 brown.

♂. Face yellow, more rarely only lateral margins yellow, scape yellow on ventral side. In rest as the female.

**Ecology:** unknown.

**Geographical distribution:** Sweden, Russia (St. Petersburg, Briansk, Riazan, Yaroslav), Byelorussia (TOWNES et al. 1965).

### Conclusions

1. In this paper the authors present four ichneumonid species belonging to four genera of the Diplazontinae and Scolobatinae subfamilies, collected from the northern Moldavia province;

2. These four species are new for the Romanian fauna: *Promethes bridgmani* FITTON (subfamily Diplazontinae), *Trematopygus velicans* GRAV., *Mesoleptidea gracilis* HOLMGREN. and *Gunomeria macrodactyla* HOLMGREN. (subfamily Scolobatinae).

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