

Dolichopus species (Diptera: Dolichopodidae) in the Entomological Collection of the Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences

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Abstract. Total 22 species are presented, 3 of which are not from Bulgaria (*D. austriacus* and *D. longicornis* from Slovakia, and *D. popularis* from Hungary); other 5 species except in Bulgaria are collected and from Slovakia (*D. argyrotarsis*, *D. plumipes* and *D. unguatus*), Romania (*D. diadema*) and Russia (*D. lepidus*).

Key words: *Dolichopus*, Palaearctic.

Introduction

The base of this publication is the Dipterological collection deposited in the ex Institute of Zoology included at the present time in the Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences (IBER-BAN).

A part of this collection belong to family Dolichopodidae and was published in the past in different articles (Kechev 2005). An other part of this family including new data about structure and distribution of the *Dolichopus* species in Bulgaria are given here below. The material used for this publication is collected chiefly in the second half of the previous century by the author from different part of Bulgaria as far and from some West Palaearctic countries.

The aim of this paper is to provide new data on the occurrence of *Dolichopus* species from the area of Bulgaria, and to present the list of the species conserved in the Institute.

The localities, date of collecting, number and sex of the specimens, character of habitat, height above sea level and geographic distribution are included in the faunistic information for every one species. A generalized geographical distribution of the species included are given by Fauna Europea. Only for the more rare species are given concrete European countries. A names of the collectors are given only in the cases when the specimens have been collected from other entomologists.

Abbreviations: **Distr.** - District, **G. D.** - Geographic Distribution in the world, **Loc.** - locality; **Mt.** - Mountain; **Vic.** - Vicinity (of); **Vill.** - Village.

Alphabetic list of the examined *Dolichopus* species

***Dolichopus arbustorum* Stannius, 1831**

Bulgaria: Vitosha Mt.: Bistritsa, in grass: 10.07.1976, 3♂, 1♀; 10.09.1974, 1♂; Zhelezmits (Gelezmitsa) Vill. near Sofia, meadow, 13.07.1974, 1♀.

G. D.: Palaearctic: Europe and Near East.

***Dolichopus argyrotarsis* Wahlberg, 1850**

Bulgaria: Ossogovska Mt.: Dvete reki Loc., 1000 m, 8.06.1995, 1♂, leg. Manassieva.; Vitosha Mt.: Karkama Loc., 1700 m, Higrophytes, 18.06.1972, 2♂.

Slovakia: Suilovski Sk., Zilin(Zhilin), 16.06.1974, 1♂, 3♀.

G. D.: Europe: Austria, Belgium, Britain I., Bulgaria, Czech Republic, Finland, France, Germany, Hungary, Norway, Poland, Romania, Russia Central, Russia Northwest, Slovakia, Sweden, The Netherlands. Ukraine.

***Dolichopus austriacus* Parent, 1927**

Slovakia: Breslau, Lanzhot, 10.06.1974, 1♂.

G. D.: Europe: Austria, Estonia, Germany, Sweden. - **East Palaearctic:** East of the border line here defined.

***Dolichopus campestris* Meigen, 1824**

Bulgaria: Vitosha Mt., meadows: Bistritsa Vill., 4.07.1974, 1♂, 1♀; pool -1♂; Pantcharevo Vill., 4.07.1974, 1♂. - Central Stara Pl. Mt.: Dermenkaja Chalet, 1500 m, meadow, 17.07.1995, 1♂.

G. D.: Palaearctic.

***Dolichopus excisus* Loew, 1859**

Bulgaria: Danubian Plain.: Septemvrijtsi Vill., Mihajlovgrad Distr., meadow, 6.06.1987, 1♂.

Kneja, 26.05.1994, Camping loc. (on left side of rout to Cherven Bryag), 1♀; -

East Stara Planina Mt.: Sliven, hygrophyte, 4.06.1974, 1♂, 2♀; - Struma Valley: Drangovo Vill., Petritch Distr., swamp, 18.09.1973, 1♂.

G. D.: Palaearctic: Europe and Asia.

***Dolichopus diadema* Haliday, 1831**

Bulgaria: Black Sea Coast: Shabla, Touzlata, *Spergularia* sp., 29.08.1972, 2♂, 1♀.

Romania: Black Sea Coast, Mangalia, Doi Mai, 25.06.1972, 1♂, Chvala leg.,

G. D.: West Palaearctic and Oriental region.

***Dolichopus griseipennis* Stannius, 1831**

Bulgaria: Sacar Mt.: Manastir Sv.Troitsa, hygrophyte, 21.06.1985, 1♂; -The East Rhodopes Mts.: Senoklas Vill., 30.09.1995, 1♀ Manasieva Leg.

G. D.: Palaearctic.

***Dolichopus latelimbatus* (Macquart 1827)**

Bulgaria: Black Sea Coast: Shabla, Touzlata, 11.08.1993, 2♀; - Danubian Plain: Kneja, 26.05.1994, Camping loc. (on left side of rout to Cherven Bryag), 1♀.

G. D.: Palaearctic and Oriental region.

***Dolichopus lepidus* (Staeger, 1842)**

Bulgaria: Central Stara Pl. Mt.: Dermenkaja Chalet, 1500 m, *Juniperus* sp., 12.06.1995, 1♂; - Vitosha Mt.: Bistritsa Vill., meadow, 12.06.1982, 1♀.

Russia: Leningrad district: Repino, 6.06.1971, 1♂, 1♀.

G. D.: Palaearctic and Oriental region.

***Dolichopus litorellus* Zetterstedt, 1852**

Bulgaria: Vtosha Mt.: Bistritsa Vill., pool, 4.07.1974, 3♀.

G. D.: North and East Europe; East Palaearctic; Oriental region.

Dolichopus longicornis* (Stann, 1831)*Slovakia:** Breslav Lanzhot, Quercus-forest, 10.06.1974, 1♀.**G. D.: Palaearctic:** Europe and Asia; **Oriental region.*****Dolichopus longitarsis* (Stann, 1831)****Bulgaria:** Plana Mt., grass, 17.07.1976, 1♂, 2♀.**G. D.: Palaearctic:** Europe and Asia.***Dolichopus nubilus* (Meigen, 2824)****Bulgaria:** Black Sea Coast: Shabla, grass, 4.05.1992, 1♂; *Phragmites* sp., 14.09.1992, 1♀. -
Distr. Sofia: Tchelopetchene Vill., meadow, 29.06.1974, 1♂.**G. D.: Palaearctic:** Europe and Asia.***Dolichopus pennatus* (Meigen, 1824)****Bulgaria:** Vitosha, Karkama Loc., 1700 m, hygrophyte, 18.06.1972, 2♂.**G. D.: Palaearctic:** Europe, Asia; **Oriental region.*****Dolichopus phaeopus* Haliday, 1851****Bulgaria:** Pirin Mt.: Vassilashki Ezera Lake, 2000 m, 18.07.1975, 5♂, 1♀; - Rila Mt.:
Belmeken loc., 2000 m, grass, 17.09.1996, 2♂, 2♀; - West Rhodopes Mts.: Tchehlevo, 1-7.
08. 1925, 8♂, 1♀, Drenski Leg.**G. D.: Europe:** Belgium, Britain I., Bulgaria, Czech Republic, France, Germany, Ireland,
Poland, Romania, The Netherlands.***Dolichopus plumipes* (Scopoli, 1763)****Bulgaria:** Sredna Gora Mt.: Klissura, meadow, 27.05.1975, 6♂, 1♀; - Vitosha Mt.: Bistritsa
Vill., meadow: 12.05.1982, 4♂; 4.07.1974, 2♂; - Pirin Mt.: Razlog, Sitnev Egreg Loc.,
Medicago-field, 13.05.1973, 1♀; Gotse Delchev, Karshilar Loc., 17.05.1973, Pshenitsa, 1♂,
V. B., leg; Bansko, 21.09.1973, meadow, 1♂; - The West Rhodopes Mt.: Teshel Vill.,
17.05.1973, livada, 1♂.**Slovakia:** Boubin, 800 m, 19.06.1974, 1♂.**G. D.: Palaearctic:** Europe, Asia; **Oriental region.*****Dolichopus picipes* (Meigen, 1824)****Bulgaria:** Central Stara Planina Mt.: Koupna Peak, 1600 m, hygrophytes, 19.07.19996, 1♂;
4♀.**G. D.: Palaearctic:** Europe, Asia.***Dolichopus popularis* (Wiedemann, 1817)****Hungary:** Bukk Mt., 20.06.1983, Forest, 2♀.**G. D.: Palaearctic:** Europe, Asia.***Dolichopus siculus* Loew, 1859****Bulgaria:** Struma Valley: Simitli, *Hordeum* sp., 20.05.1973, 1♀; Blagoevgrad, fishfarm,
14.05.1991, 2♂, 7♀.**G. D.: Bulgaria, France, Sicily.**

***Dolichopus signifer* Haliday, 1838**

Bulgaria: Black Sea Coast: Dourankoulashko Ezero Lake, hygrophites, 16.05.1972, 1♂; - Danubian Plain: Kneja, 26.05.1994, Camping(on left side of the rout to Cherven Bryag), 2♀; - Podbalkan Region: Zlatitsa, hygrophite, 11.05.1973, 1♂; Pirdop, *Agropyrum* sp., 24.09.1975, 1♂; - Belassitsa Mt.: Petritch, 11.07.1974, 1♂; - Struma Valley: Topolnitsa Vill., Petritch Vic., 10.07.1974, 1♂; - Thracian Lowland: Plovdiv, orchard, at light, 14.05.1974, 1♀, leg. Mitkov- Rouj Mt., distr. Perenik, Tran, 11.06.1970, 1♀.

G. D.: Palaearctic.

***Dolichopus simplex* (Meigen, 1824)**

Bulgaria: Vitosha Mt., meadows: Zheleznitsa, 28.05.1996, 1♂; Bistritsa, 12.06. 1982, 1♀; - Plana Mt., meadow, 13.06.1976, 2♂, 3♀; grass, 17.07.1976, 2♀.

G. D.: Palaearctic: Europe, Asia.

***Dolichopus ungulatus* (Linnaeus, 1758)**

Bulgaria: Vitosha Mt., meadows: Bistritsa, 4.07.1974, 2♂, 1♀; Zheleznitsa(Geleznitsa), 1200 m, 17.05.1973, 3♂, 2♀; 13.07. 1974, 1♂; 9.06.1983, 1000 m, 3♀, leg Dimitrova; 26.05.1996, 1♂, Manassieva leg.; Kladnitsa Loc., 1000 m, leg. B. Dimitrova: 19.05.1983, 1♂, 3♀ and 5.07.1983, 1♂.

Slovakia: Helicopeč, Hrybi, 12.06.1974, Fagus-forest, 2♀.

G. D.: Palaearctic: Europe, Asia.

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References

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