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Species of the genus *Dyschirius* (Coleoptera: Carabidae) from Turkey

Druhy rodu *Dyschirius* (Coleoptera: Carabidae) nalezené v Turecku

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Faunistics, taxonomy, Coleoptera, Carabidae, *Dyschirius buglanensis* sp. n., *D. chalybeus resli* ssp. n., Turkey

Abstract. *Dyschirius buglanensis* sp. n. from Turkey and *Dyschirius chalybeus resli* ssp. n. from Turkey and Israel are described, illustrated and compared with related taxa. Literature data are reviewed and new findings of *Dyschirius* Bonelli, 1810 species from Turkey are given. The species *D. humiolcus* Chaudoir, 1850, *D. zimini* Znojko, 1928, *D. latipennis* Seidlitz, 1867, *D. euxinus* Znojko, 1927, *D. microthorax* Motschulsky, 1844 and *D. parallelus* Motschulsky, 1844 are reported from Turkey for the first time.

In 1992, 1993 and 1996 I have (in 1992 and 1993 together with K. Resl from Uherský Brod) visited Turkey and we have collected a lot of specimens of the genus *Dyschirius* Bonelli, 1810. In the presented work I am quoting the data from these collections and data about the collections of other authors. I determined about 1500 specimens of 27 species and subspecies of the genus *Dyschirius*. The majority of specimens of all species is deposited in my collection.

Data on genus *Dyschirius* from Turkey are included mainly in the papers of Apfelbeck (1904), Müller (1922), Gruntal (1984a,b) and Fedorenko (1990, 1992, 1993, 1994a,b and 1995). I use the nomenclature of Fedorenko (1990, 1992, 1993, 1994a,b and 1995). I don't use the division of genus *Dyschirius* according to Fedorenko (1994a). According to this work only D. *humiolcus* Chaudoir, 1850, *D. zimini* Znojko, 1928 and *D. latipennis* Seidlitz, 1867 belong to the genus *Dyschirius*, while other species belong to the genus *Dyschiriodes* Jeannel, 1941.

This work does not aim at complete faunistic review of the whole Turkey but only draw attention to the enormous diversity of Turkish fauna. I expect that it may be helpful for a future student of Turkish fauna of Carabidae. A similar work - according to my knowledge - has not been recently published.

LIST OF USED ABBREVIATIONS

TR = Turkey, c. = central, g. = gölü, lake; spn. = 1 specimen, sps. = specimens, spss. = several specimens; cBu = coll. P. Bulirsch, cFa = coll. J. Farkač (Praha), cFe = coll. D. Fedorenko (Moscow, Russia), cJa = coll. M. Janata (Praha), cKo = coll. T. Kopecký (Hradec Králové), cRe = coll. K. Resl (Uherský Brod), cRu = coll. T. Růžička (Praha), cSc = coll. R. Sciaky (Milano, Italy), cSk = coll. V. Skoupý (Kamenné Žehrovice), cZb = coll. B. Zbuzek (Praha), cZv = coll. B. Zvarič (Most).

LIST OF VISITED LOCALITIES

The data are given in the abbreviated form:
TR occ. - Yesilova = Yesilova, Solda g., 10.-11.vii.1993, P. Bulirsch and K. Resl lgt.
TR c. - Tuz g., 1/1992 = Tuz g., 30km NW Sereflikochisar, 22.vi.1992, P. Bulirsch and K. Resl lgt.
TR c. - Tuz g., 2/1992 = Tuz g., 30km SE Sereflikochisar, 22.vi.1992, P. Bulirsch and K. Resl lgt.

TR c. - Tuz g., 1993 = Tuz g., Sereflikochisar env., 30.vi.1993, P. Bulirsch and K. Resl lgt.
TR occ. - Yenice = Yenice pr. Izmir, 12.vii.1993, P. Bulirsch lgt.
TR m. - Samandag 1/1992 = Samandag - Deniz, (Hatay), 2.vii.1992, P. Bulirsch and K. Resl lgt.
TR m. - Samandag 2/1992 = Cevlik pr. Samandag, (Hatay), 29.-30.vi.1992, P. Bulirsch and K. Resl lgt.
TR m. - Samandag 3/1992 = Kale pr. Samandag, (Hatay), 26.-27.vi.1992, P. Bulirsch and K. Resl lgt.
TR m. - Samandag 1993 = Samandag - Deniz, (Hatay), 5.vii.1993, P. Bulirsch and K. Resl lgt.
TR m. - Karatas = Karatas, (Adana), 7.-8.vii.1993, P. Bulirsch and K. Resl lgt.
TR occ. - Pamucak = Pamucak pr. Selcuk, (Izmir), 14.vii.1993, P. Bulirsch and K. Resl lgt.
TR c. - Kizicahamam = Kizilcahamam, (Ankara), 29.vi.1993, P. Bulirsch and K. Resl lgt.
TR m. - Tahta Kopru = Tahta Kopru Brj., E of Akbez, (Hatay), 4.vii.1993, P. Bulirsch lgt.
TR m. - Konakli = Konakli, W of Alanya, (Antalya), 18.-30.vii.1996, P. Bulirsch lgt.
TR m. - Okurcalar = Okurcalar, W of Alanya, (Antalya), 20.vii.1996, P. Bulirsch lgt.
TR m. - Dim = E of Alanya, (Antalya), banks of Dim riv., 27.+29.vii.1996, 5-500m, P. Bulirsch lgt.

RESULTS

1. ***Dyschirius humiolcus*** Chaudoir, 1850

Material examined: TR - Savsat, Camfica, 18.vi.1992, M. Janata lgt., 2 sps. (cBu); TR b. or. - Riza, Firtina, 1200m, 20.vii.1976, S. Vít lgt., 2 sps. (cBu).

Species known from Caucasus, reported as possible in NE Turkey by Fedorenko (1994a); new for Turkey.

2. ***Dyschirius zimini*** Znojko, 1928

Material examined: TR m. - Ulucinar env., (Antakya), 11.-12.iv.1992, O. Hovorka lgt., spn.

Species known from area of Caspic Sea, Russian Central Asia by Fedorenko (1994a); new for Turkey.

3. ***Dyschirius latipennis*** Seidlitz, 1867

Material examined: TR occ. - Yesilova, 20 sps. (cBu, cRe); TR c. - Tuz g., 2/1992, 3 sps. (cBu, cRe); TR - Burdur, 9.v.1991, B. Zbuzek lgt., 2 sps. (cZb); TR or. - Muradiye, 27.vi.1993, T. Růžička lgt., spn. (cRu).

Species known from Balkan Peninsula by Fedorenko (1994a); new for Turkey and Asia.

4. ***Dyschirius euxinus*** Znojko, 1927

Material examined: TR c. - Tuz g., 1,2/1992, 1993, 20 sps. (cBu, cRe); TR c. - Tuz g., 12.iv.1992, B. Zvarič lgt., 3 sps. (cBu, cZv).

Species known from Crimea, Russia - Kalmykia by Gruntal (1984b); new for Turkey.

5. ***Dyschirius strumosus*** (Dejean, 1825)

Material examined: TR occ. - Yesilova, spss. (cBu, cRe).

Reported from Turkey by Apfelbeck (1904; Kutschuk Tschekmedje p. Istanbul) and by Gruntal (1984b).

6. ***Dyschirius substriatus priscus*** J. Müller, 1922

Material examined: TR occ. - Yenice, spn. (cBu); TR bor. - Ilgaz Dag, 3.vi.1991, V. Skoupý lgt., spn. (cBu); TR m. - Okurcalar, spn (cBu); TR m. - Dim, 3 sps. (cBu).

Species reported from Turkey by Apfelbeck (1904; Priboj am Lim) as *D. substriatus* Duftschmid, 1812.

7. ***Dyschirius parallelus*** Motschulsky, 1844

Material examined: TR - Pr. Siirt Botan, Cayi - Tal, 23.vi.1985, Schacht lgt., spn. (cBu); TR bor. or. - Bayburt env., 1.vi.1994, V. Skoupý lgt., spn. (cBu).

Species known from Caucasus, Kopetdag Mts. by Fedorenko (1990); new for Turkey.

(8.) ***Dyschirius nitidus*** (Dejean, 1825)

Material examined: -

Species reported from Turkey by Apfelbeck (1904; Priboj am Lim, Istanbul env.) and by Fedorenko (1992; Istanbul).

(9.) ***Dyschirius jedlickai*** Kult, 1940

Material examined: -

Species described from Turkey by Kult (1940; Adana, 2 sps). The validity of this species is doubtful, it is necessary to compare this species with *D. nitidus* (Dejean) or *D. agnatus* Motschulsky.

10. ***Dyschirius agnatus*** Motschulsky, 1844

Material examined: TR b. - Ilgaz Dag, 3.vi.1991, V. Skoupý lgt., spss. (cBu, cSk); TR or. - Buglan Gecidi, Solhan env., 1650m, 11.-15.vi.1991, B. Zvarič lgt., spn. (cBu); TR occ. - Yenice, spss. (cBu); TR c. - Kizilcahamam, 5 sps. (cBu), TR m. Okurcalar, spn. (cBu).

Species reported from Turkey by Fedorenko (1992).

(11.) ***Dyschirius chalceus*** Erichson, 1837

Material examined: -

Species reported from Turkey by Apfelbeck (1904; Kutschuk Tschekmedje p. Istanbul) and by Fedorenko (1992; European part of Turkey).

12. ***Dyschirius microthorax*** Motschulsky, 1844

Material examined: TR c. - Todurge g. (salt lake), Zara env., 24.vi.1993, L. Klíma lgt., 2 sps. (cBu); TR or. - Saz g. env. (salt lake), Karabulak env., 26.vi.1993, L. Klíma lgt., spn. (cBu); TR c. - Cogun Baraji, Kirsehir env., 23.vi.1993, L. Klíma lgt., spn. (cBu).

Species known from Russia, middle Asia and western Mongolia by Fedorenko (1993); new for Turkey.

13. ***Dyschirius salinus striatopunctatus*** Putzeys, 1846

Material examined: TR m. - Kurtulus pr. Silifke, (Icel), 16.-19.v.1994, P. Průdek and J. Kovalovský lgt., spn. (cBu); TR m. - Samandag 1/1992, spss. (cBu, cRe); TR occ. - Yesilova, spss. (cBu, cRe); TR c. - Tuz g., 1,2/1992, 1993, spss. (cBu, cRe); TR occ. - Yenice, spss. (cBu, cRe); TR occ. - Pamucak, spss. (cBu, cRe); TR c. - Kizilcahamam, spss., (cBu, cRe); TR m. - Yumurtalik, 25.v.1993, J. Krátký lgt., spn. (cBu); TR m. - Karatas env., lake Akaytan, 7.-9.vi.1991, B. Zvarič lgt., spn. (cBu); TR - Acigol (salt lake), Cardag env., 7.vii.1993, L. Klíma lgt., spn. (cBu); TR c. -Todurge g. (salt lake), Zara env., 24.vi.1993, L. Klíma lgt., spn. (cBu); TR or. - Saz g. (salt lake), Karabulak env., 26.vi.1993, L. Klíma lgt., spn. (cBu); TR or. - Muradiye env., 27.vi.1993, V. Malý lgt., spn. (cFa).

Species reported from Turkey by Apfelbeck (1904; Kutschuk Tschekmedje p. Istanbul, Smyrna) as *D. salinus* Schaum, 1843.

14.1. ***Dyschirius chalybeus gibbifrons*** Apfelbeck, 1899

Material examined: TR occ. - Yesilova, spss. (cBu, cRe); TR occ. - Pamucak, spss., (cBu, cRe); TR occ. - Porsuk, iv.1992 and 8.vii.1993, M. Dvořák lgt., spss. (cBu); TR - Anatolia occ., Bikili, 31.v.1992, Rossbauer lgt., spn. (cBu); TR - Yenicaga env., (Adapazan), ca. 1000m, 1.viii.1990, A. Weigel lgt., spn. (cBu).

Subspecies known from Balkan Peninsula and SE Europe; reported from Turkey by Apfelbeck (1904) and Fedorenko (1993; Istanbul).

Doubtful quotations by Fedorenko (1993; ?Syria, ?Iraq) and quotation by Balkenohl (1994; Saudi Arabia - Waadi Gaanah) partialy belonging probably to the *D. ch. resli* ssp. n.

14.2. ***Dyschirius chalybeus resli*** ssp. n.
Data are given in the description.

15. ***Dyschirius aeneus*** (Dejean, 1825)
Material examined: TR or. - Tutak vill. env., (Agri), Murat Nehri, ca. 1700m, 7.vii.1989, B. Březina lgt., spn. (cBu); TR - Yemcagi env., (Adapazan), ca. 1000m, 1.viii.1990, A. Weigel lgt., spn. (cBu); TR c. - Kizilcahamam, 2 sps. (cBu); TR - Selcuk env., 23.iv.1984, T. Wolf lgt., spn. (cBu).
Species reported from Turkey by Apfelbeck (1904; Priboj am Lim).

16. ***Dyschirius apicalis*** Putzeys, 1846
Material examined: TR c. - Tuz g. 1/1992, spss. (cBu. cRe); TR occ. - Yesilova 4 sps. (cBu).
Species reported from Turkey by Apfelbeck (1904; Kutschuk Tschekmedje p. Istanbul, Saloniki) and by Fedorenko (1995; Istanbul).

17. ***Dyschirius buglanensis*** sp. n.
Data are given in the description.

18. ***Dyschirius importunus*** Schaum, 1857
Material examined: TR m. - Tahta Kopru, spn. (cBu); TR m. - Iskenderun vill., Ulucinar, 15.v.1995, J. Mertlík lgt., 3 sps. (cBu); TR m. - Arsuz, (Hatay), Filli Nehri, 6.v.1995, T. Kopecký lgt., spss. (cBu, cKo).
Species reported from Turkey by Gruntal (1984a; Asia Minor).

19. ***Dyschirius morio*** Putzeys, 1866
Material examined: TR occ. - Yenice, 5 sps. (cBu); TR m. - Goksu Kanyon, Kargicag, (Icel), 27.-29.v.1995, J. Mertlík lgt., spn. (cBu); TR - Cappadocia, Goreme-Zelve-Avaran, ca.1100m, 11.-13.viii.1990, A. Weigel lgt., 2 sps. (cBu); TR m - Konakli, spss. (cBu); TR m - Dim, spss. (cBu).
Species reported from Turkey by Fedorenko (1995).

Dyschirius minutus (Dejean, 1825)
Material examined: -
Species reported from Turkey by Apfelbeck (1904; ?Konstantinopel, Merkl lgt.) as *D. punctatus* (Dejean, 1825) and by Gruntal (1984b). It is necessary to verify if these specimens belong to the species *D. minutus* (Dejean, 1825), to *D. morio* Putzeys, 1866 or to other species. *D. punctatus* (Dejean, 1825) is a synonym of *D. attenuatus* Putzeys, 1866. According to Fedorenko (1994b), *D. punctatus* (Dejean, 1825) is very different from *D. minutus* (Dejean, 1825); the first species is known only from western Mediterranean area.

20. ***Dyschirius cariniceps*** Baudi, 1864
Material examined: TR m. - Samandag 1,2/1992, 1993, spss. (cBu, cRe); TR m. - Karatas, spss. (cBu, cRe); TR occ. - Pamucak, spss. (cBu, cRe); TR m. - Tell Acana, (Hatay), 14.v.1995, T. Kopecký lgt, spss. (cBu, cKo); TR m. - Eski Kahpa, 6.-7.vi.1994, M. Šárovec lgt., spn. (cBu); TR - Cyprus, Gonyeli, 9.-15.iv.1992, Winkelmann and Klock lgt., 4 sps. (cBu); TR m. - Konakli, spss. (cBu).
Species described from Cyprus; reported from Turkey by Müller (1922; Tarsus, Cyprus).

21. ***Dyschirius macroderus macroderus*** Chaudoir, 1850
Material examined: TR m. - Samandag 1/1992, 1/1993, 4 sps. (cBu, cRe); TR - Silifke, Kurtulus, (Icel), 16.-19.vi.1994, P. Průdek and J. Kovalovský lgt., spn. (cBu); TR m. - Yumurtalik env.,

Demecusagi, 14.iv.1992, O. Hovorka lgt., 2 sps. (cBu, cHo); TR - N Cyprus, Gonyeli, 9.-15.iv.1992, Winkelmann and Klock lgt., spn. (cBu).
Species known from Mediterranean area inc. Bulgaria, Crimea, Greece; reported from Turkey by Müller (1922; Cyprus) and by Gruntal (1984b).

22. ***Dyschirius cylindricus transilvanicus*** Fleischer, 1905

Material examined: TR occ. - Pamucak, 2 sps. (cBu).
Species reported from Turkey by Apfelbeck (1904; Istanbul) and by Fedorenko (1995).

23. ***Dyschirius bacillus bacillus*** Schaum, 1857Material examined: TR m. - Samandag 3/1992, 1993, spss. (cBu, cRe); TR m. - Karatas, spss. (cBu, cRe); TR m. - Pamucak, spss. (cBu).
Species described from Turkey (Izmir).

24. ***Dyschirius pusillus*** (Dejean, 1825)

Material examined: TR c. - Tuz g. - 2/1992, 1993, 5 sps. (cBu, cRe).
Species known from Hungary, Bulgaria to Russia, Mongolia and China; reported from Turkey by Gruntal (1984b).

25. ***Dyschirius laeviusculus*** Putzeys, 1846

Material examined: TR b. - Ilgaz Dag, 3.vi.1991, V. Skoupý lgt., spn. (cBu).Species reported from Turkey by Apfelbeck (1904; Priboj, Lim Ufer), by Gruntal (1984a) and by Fedorenko (1994b; European part of Turkey).

26. ***Dyschirius luticola luticola*** Chaudoir, 1850

Material examined: TR occ. - Yesilova, spn. (cBu); TR c. - Kirsehir, (Konya), Tuz g., 12.iv.1992, B. Zvarič lgt., 3 sps. (cBu, cZv); TR occ. - Pamucak, 3 sps., (cBu, cRe); TR m. or. - Karabud env., Nemrut Dagi, 2.vii.1993, L. Klíma lgt., spn. (cBu); TR c., Todurge g. (salt lake), Zara env., 24.vi.1993, L. Klíma lgt., spn. (cBu); TR or., Saz g. (salt lake), Karabulak env., 26.vi.1993, L. Klíma lgt., spn. (cBu).
Species reported from Turkey by Apfelbeck (1904; Smyrna =Izmir).

27. ***Dyschirius mesopotamicus*** Müller, 1922

Material examined: TR or. - Artvin - 10km, Ceruh riv., 15.vii.1976, J. Boháč lgt., spn. (cBu); TR or. - Bingol vill., Bingol, 1125m, 20.vi.1986, S. Kadlec and J. Voříšek lgt., spn. (cBu); TR - Adiyaman vill., Malatya Dag., Golbasi, 15.vi.1986, S. Kadlec and J. Voříšek lgt., spn. (cBu); TR m. - Okurcalar, spn. (cBu).
Species known from Russia, Kazakhstan, middle Asia to Iraq by Fedorenko (1994b).

28. ***Dyschirius euphraticus*** Putzeys, 1846

Material examined: TR - Kargicag, (Silifke), 29.v.1995, T. Kopecký lgt., 3 sps. (cBu, cKo); TR - Cappadocia, Goreme-Zelve-Avaran, ca. 1100m, 11.-13.viii.1990, A. Weigel lgt., 3 sps. (cBu); TR or. - Buglan Gecidi, Solhan env., 1650m, 11.-15.vi.1991, B. Zvarič lgt., spn. (cBu); TR b. - Koyulhisar, 10.vi.1991, V. Skoupý lgt., spn. (cBu); TR - Goksu Kanyon, Kargicak, (Icel), 27.-29.v.1995, J. Mertlík and T. Kopecký lgt., 3 sps. (cBu).
Species reported from Turkey by Fedorenko (1995; Tarsus, Adana).

29. ***Dyschirius auriculatus*** Wollaston, 1867

Material examined: TR - Anat. m., Karatas, lake Akaytan, 9.vi.1991, M. Janata and B. Zvarič lgt., 2 sps. (cBu).
Species known from western Mediterranean area to northern India and middle Asia; reported from Turkey by Fedorenko (1995; Cyprus).

Dyschirius chalybeus resli ssp. n.

(Figs 1,2)

Description. Length of body 2.65-3.45 mm, average (30 spec.) 3.02 mm. The legs rusty yelow-brown or rusty brown, fore legs, especially femora, darker. Basal antennal segments rust yellow or rust brown, the rest of segments (from the second or fourth) darker.

Head (Fig.1). Clypeus separated from frons by an often irregular furrow, frons (clypeofrontal area) with a number (usually from 2 to 7) of irregular and often indistinct transversal furrows.

Pronotum. Sides bordered up to the hind pore-punctures. Width : length ratio 0.99-1.09, average 1.05.

Elytra. Length : width ratio 1.58-1.68, average 1.63; elytra width : pronotum width ratio 1.33-1.43, average 1.37. Base of elytra with distinct granula near parascutellar setiferous puncture (only one paratype specimen with indistinct granula), slightly inclined to shoulders, shoulders clearly visible. Seven internal striae complete, the eigth one in basal part of elytra weaker, but not disappearing, in hind part distinct.

Aedeagus. Apex as on Fig. 2.

Type material. Holotype, ♂, labelled "TR mer., Karatas env., lake Akaytan, 5-10 m, 7.-9.vi.1991, B. Zvarič lgt.". Paratypes: the same as the holotype, 7 sps.; Turkey, Anat. m., Karatash - sal., (Adana), 9.vi.1991, M. Janata lgt., 3 sps.; the same locality, 7.-8.vii.1993, P. Bulirsch lgt., 25 sps.; the same locality, 7.-8.vii.1993, K. Resl lgt., 3 sps.; Turkey m., Yumurtalik, Deveciusagi, 25.v.1993, J. Krátký lgt., 15 sps.; the same locality, 25.v.1993, M. Šárovec lgt., spn.; Turkey m., Tahta Kopru Brj., E of Akbez, (Hatay), 4.vii.1993, P. Bulirsch lgt., 13 sps.; Turkey m., 13 km E of Akbez, Karasu Cayi, 4.vii.1993, K. Resl lgt., 2 sps.; Turkey m., Tell Acana, Antakya env., T. Kopecký lgt., 4 sps.; Israel, Haifa, 13.vi.1992, Dr. T. Pavlíček lgt., 4 sps.; The holotype is deposited in the collection of P. Bulirsch, paratypes are in cBu, cFe, cJa, cKo, cRe, cSc and cZv.

Name derivation. The new subspecies is dedicated to one of the collectors of this species, my friend Květoslav Resl from Uherský Brod.

Differential diagnosis. *Dyschirius chalybeus resli* ssp. n. differs from *D. chalybeus chalybeus* Putzeys, 1846 and *D. chalybeus gibbifrons* Apflbeck, 1899 by smaller length of body (*D. ch. chalybeus* 2.8-3.6 mm, *D. ch. gibbifrons* 3.0-3.7 mm), by deeper and longer eigth stria of the elytra, and by internal structure of apex of aedeagus Fig. 2 [Fedorenko (1993), figs 42-44]. *D. ch. chalybeus* differs also by in average straighter base of elytra and smoother clypeofrontal area. The nominotypical subspecies lives in western part of the Mediterranean region. *D. ch. gibbifrons* differs by irregular rugose clypeofrontal area and in average wider pronotum.

Distribution and bionomy. Known from eastern part of Mediterranean region (SE Turkey, Israel). Specimens were found often on beaches or banks of salty waters.

Dyschirius buglanensis sp. n.

(Figs 3-7)

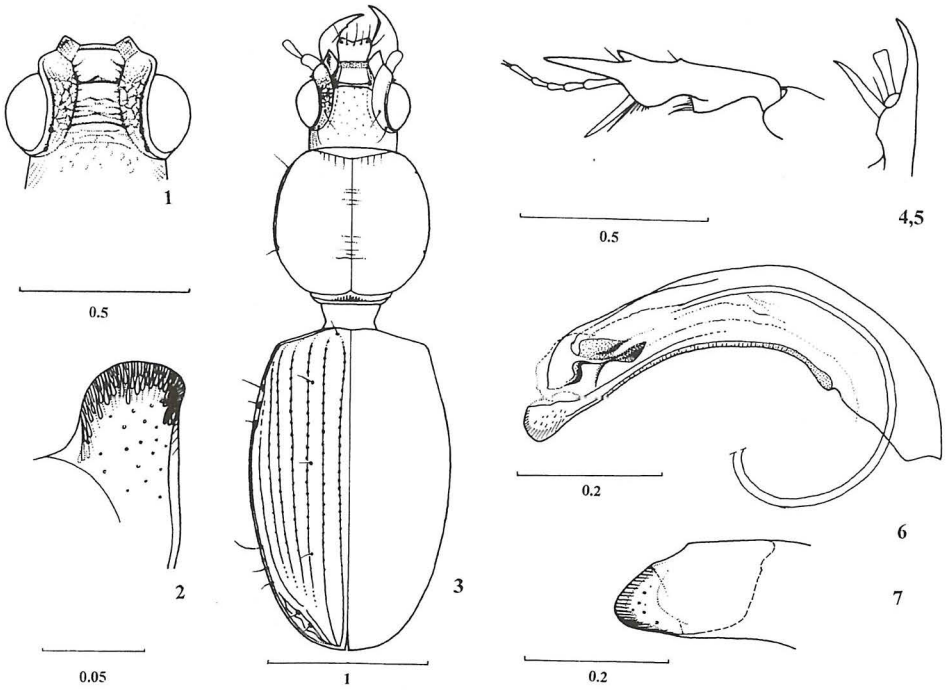
Description. Body piceous to dark piceous, dorsal surface with weak bronze shine. Length of body 3.10-3.85 mm, average (26 spec.) 3.40 mm. The legs rust brown, front legs piceous. Basal antennal segments rust brown, the rest segments darker.

Head (Fig. 3). Clypeus without median tooth, slightly to very slightly arcuate anteriorly, separated from frons by a regular and deep furrow. Frons (clypeofrontal area) smooth, only with irregular and very fine micropunctures.

Pronotum (Fig. 3). Smooth, reaching the maximum behind its midlength, outline subcircular, sides bordered up to the hind lateral pore-punctures. Median line distinct, in the middle of the pronotum fine, more depressed in its posterior half. Pronotum width : length ratio 1.00-1.08, average 1.03. Surface of pronotum moderately vaulted in lateral view.

Distal spur of protibia as long as the distal tooth, curved very slightly. Lower ventral small tooth of protibia rather large, upper tooth obtuse, but distinct (Figs 4,5).

Elytra (Fig. 3). Oblong ovate, in lateral view a little flattened. Elytra length : width ratio 1.55-1.67, average 1.60 elytra width : pronotum width ratio 1.24-1.33, average 1.28. Lateral edge convex. The maximum width of elytra before its midlength. Base of elytra to the shoulders moderate inclined, the shoulders clearly visible, with small denticle. Base of elytra distinct bordered, without granula near parascutellar setiferous puncture and without microsculpture. Elytral dorsal striae not shortened on the base, before apex very shallow, the sixth and seventh often disappearing before apex, the eighth stria substantially weaker, interrupted behind the middle. Elytral



Figs 1-7. 1,2 - *Dyschirius chalybeus resli* ssp. n., holotype ♂; 3-7 *D. buglanensis* sp. n., holotype ♂. 1 - head dorsally; 2 - apex of aedeagus ventrally; 3 - habitus dorsally; 4 - right protibia laterally; 5 - right protibia dorsally; 6 - aedeagus laterally; 7 - apex of aedeagus dorsally. Scales in mm.

Obr. 1-7. 1,2 - *Dyschirius chalybeus resli* ssp. n., holotypus ♂; 3-7 *D. buglanensis* sp. n., holotypus ♂. 1 - hlava shora; 2 - špice aedeagu zespoda; 3 - celkový pohled shora; 4 - pravá přední holeň bočně; 5 - pravá přední holeň shora; 6 - aedeagus bočně; 7 - špice aedeagu shora. Měřítka v mm.

striae punctures distinctly marked to the second or third dorsal pore-punctures, intervals slightly convex.

The numbers of pore-punctures: 3 posthumeral, 2 praeapical and 3 dorsal. Dorsal pore-punctures in the third interval, near third stria.

Aedeagus as on Figs 6,7.

Type material. Holotype, ♂, labelled "TR or. - Buglan Gecidi, Solhan env., 1650 m, 11.-15.vi.1991, B. Zvarič lgt.". Paratypes: the same locality and data, 25 sps. The holotype is deposited in the collection of P. Bulirsch, paratypes are in cBu, cFe and cZ.

Name derivation. The new species is named after its type - locality in eastern Turkey.

Differential diagnosis. *Dyschirius buglanensis* sp. n. belongs to the *Dyschirius rufoaeneus* species-group by Müller (1922) and Antoine (1955). It fully corresponds to all group characteristics according to Müller (1922). The most similar species are *D. rufoaeneus* Chaudoir, 1843 and *D. fulvipes* (Dejean, 1825). *D. rufoaeneus* differs from *D. buglanensis* by unbordered or slightly bordered base of elytra, by finer and thicker elytral striae punctures, by larger body length [3.8-4.0 mm by Müller (1922); 3.4-4.2 mm by Antoine (1954); 3.75-4.50 mm by specimens from Libya, Morocco, Spain] and by in average more flattened (in lateral view) pronotum (its maximum width before its hind lateral pore-punctures). *D. fulvipes* has unbordered base of elytra, narrower pronotum (width : length ratio 0.98-1.02), shortened lateral border of pronotum, paler legs and antennae. *D. importunus* Schaum, 1857 (incl. *D. i. immarginatus* Putzeys, 1866) and *D. rufipes* (Dejean, 1825) differ by absent of basal pore-punctures, by unbordered base of elytra and by shortened lateral border of pronotum. All species of this group differ from *D. buglanensis* sp. n. by internal structure of aedeagus.

Distribution and bionomy. Eastern Turkey; one locality at the sand-clay banks of small river.

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SOUHRN

V práci jsou zpracovány nálezy střevlíků rodu *Dyschirius* ze sběrů autora v Turecku v létech 1992, 1993 a 1996 (v roce 1992 a 1993 společně s K. Reslem z Uherského Brodu) i nálezy mnoha dalších sběratelů v posledních 10 létech. Jsou popsány 2 nové taxony - *Dyschirius buglanensis* sp. n. a *Dyschirius chalybeus resli* ssp. n. a uvedeny údaje o nálezech dalších 27 taxonů 26 druhů rodu *Dyschirius*, z nichž nejméně 6 druhů - *D. humiolcus*, *D. zimini*, *D. latipennis*, *D. euxinus*, *D. microthorax* a *D. parallelus* - je poprvé uváděno z Turecka. U jednotlivých druhů je uveden literární přehled údajů o nálezech. Bylo determinováno celkem přibližně 1500 kusů rodu *Dyschirius,* které jsou uloženy ve sbírce autora a dalších sběratelů, uvedených v anglické části textu.

Práce si neklade za cíl zpracovat úplnou faunistickou studii celého Turecka, spíše chce upozornit na obrovské bohatství tamější fauny a být pomocným stavebním kamenem pro potenciálního zpracovatele fauny střevlíků Turecka - práce, která pokud je mi známo, nebyla v novější době souborně vydána.

Druhová jména uvádím dle Fedorenka (1990, 1992, 1993, 1994a,b a 1995). Nepřevzal jsem doposud rozdělení rodu podle Fedorenka (1994a); *a priori* toto rozdělení neodmítám, je však diskutabilní a předmětem prací spíše taxonomických než faunistických. Podle této práce by do rodu *Dyschirius* patřily pouze druhy *D. humiolcus*, *D. zimini* a *D. latipennis* - ostatní druhy by náležely do rodu *Dyschiriodes*.