

SOME ADDITIONAL NOTES ABOUT ALEOCHARINAE (COLEOPTERA: STAPHYLINIDAE) FAUNA OF TURKEY

Sinan Anlaş* and Armin Rose **

* Department of Biology, Faculty of Science, University of Ege, 35100 Bornova, Izmir / TURKEY. E-mail: sinan.anlas@gmail.com

** DZMB, German Centre for Marine Biodiversity Research, Senckenberg Research Institute, Südstrand 44, D-26382 Wilhelmshaven / GERMANY. E-mail: arose@senckenberg.de

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ABSTRACT: In this study, additional records of 27 species of Aleocharinae are given. Additional notes on most of them new to certain Turkish regions and provinces are given. *Anaulacaspis laevigata* Duvivier, 1883 is the first record for the Turkish fauna. *A. pamphylica* (Fagel, 1969) represents the first records since the description of the species.

KEYWORDS: Staphylinidae, Aleocharinae, new record, fauna, Turkey.

The Aleocharinae are the most diverse subfamily of Staphylinidae, more than 12.000 species worldwide out of 1.740 genera (Herman, 2001). According to Anlaş (2009 and an updated version), the subfamily Aleocharinae is represented by 520 species of 81 genera in Turkey, 202 (39,2 %) of which occur as endemics. However, many Turkish provinces are sparsely investigated regarding their Aleocharinae species inventory.

The aim of this study is to enhance scientific knowledge on the distribution of Turkish Aleocharinae.

MATERIAL AND METHOD

The present paper is based primarily on material collected during three field trips to Antalya carried out by Armin Rose in March 2000, 2001, and 2002, as well as recent collections by Sinan Anlaş and Ersen Aydın Yağmur.

Classification and nomenclature of the Aleocharinae suggested by Smetana (2004) has been followed in this study.

The material referred to in this study is deposited in the following collections:

LEMTLodos Entomological Museum, Izmir (S. Tezcan)
cAnlfirst author's private collection
cRossecond author's private collection
cTerprivate collection of H. Terlutter (Billerbeck)

RESULTS

In this study, 27 species of 12 genera belonging to 7 tribes of Aleocharinae are reported from Turkey. *Anaulacaspis laevigata* Duvivier, 1883 is the first record for the Turkish fauna. *A. pamphylica* (Fagel, 1969) represents the first records since the description of the species. The formerly known distribution of these species for Turkey is given by Anlaş (2009).

Subfamily Aleocharinae Fleming, 1821**Tribe Aleocharini Fleming, 1821*****Aleochara intricata* Mannerheim, 1830**

Material: **Adıyaman:** Gerger, Ama 2 km E, 37°59'35"N, 38°57'51"E, 1 ex., 19.IV.2008, leg. Yağmur (cAnl). **Antalya:** Kemer 5 km NW, rocky riverbank in canyon, on rotting meat, 197 m, 36°36'03"N, 30°29'03"E, 1 ex., 30.III.2001, leg. Rose (cRos).

Distribution in Turkey: Ankara, Bitlis, Hatay, Istanbul, Konya, Mersin, Osmaniye, Şanlıurfa, Van.

***Aleochara lata* Gravenhorst, 1802**

Material: **Antalya:** Alanya, Taşkesiği, east bank of Karpuz river, in dry chicken carrion on sand, 50 m, 36°45'N, 31°37'E, 1 ex., 17.III.2000; Central province, near Cakırlar, riverside, on car, 259 m, 36°48'51"N, 30°28'15"E, 1 ex., 27.III.2001; Kemer 5 km NW, rocky riverbank in canyon, on rotting meat, 197 m, 36°36'03"N, 30°29'03"E, 2 exs., 30.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Aleochara maculipennis* Baud idi Selve, 1857**

Material: **Antalya:** Central province, Kumluca 5 km E, dry meadow with stone pines, from cow dung, 550 m, 36°22'47"N, 30°22'58"E, 1 ex., 25.III.2001, leg. Rose (cRos).

Distribution in Turkey: Hakkari, Kahramanmaraş, Konya, Şanlıurfa.

***Aleochara tristis* Gravenhorst, 1806**

Material: **Antalya:** Alanya, mountain road near Ilica, slope (SE), in old dry cow dung, 340 m, 2 exs., 15.III.2000, leg. Rose (cRos). **Izmir:** Bayındır, Osmanlar 2 km SE, 420 m, 38°18'07"N, 27°33'58"E, 4 exs., 12.XII.2008, leg. Anlaş (LEMT, cAnl). **Muğla:** Fethiye, Akdağlar, 2510 m, 2 exs., 13.VIII.2005, leg. Yağmur (cAnl).

Distribution in Turkey: Artvin, Bingöl?, Bitlis, Bursa, Erzurum, Gaziantep, Hatay, Kahramanmaraş, Konya, Malatya, Manisa, Mardin, Mersin, Osmaniye.

Tribe Athetini Casey, 1910***Acrotone muscorum* (Brisout de Barneville, 1860)**

Material: **Antalya:** Alanya, Kuzyaka, hillside meadow with creek, in nearly dry cow dropping, 811 m, 36°47'24"N, 30°28'58"E, 2 exs., 27.III.2001, leg. Rose (cRos).

Distribution in Turkey: Erzurum, Izmir, Kahramanmaraş.

***Acrotone nigerrima* (Aubé, 1850)**

Material: **Antalya:** Central province, 273 m, 36°49'22"N, 30°32'16"E, 1 ex., 31.III.2001, leg. Rose (cRos).

Distribution in Turkey: Izmir.

***Acrotone parens* (Mulsant & Rey, 1852)**

Material: **Antalya:** Kemer 15 km WNW, steep westside slope with stone pines, moist patches, under stones, 1115 m, 36°39'21"N, 30°24'48"E, 1 ex., 30.III.2001, leg. Rose (cRos).

Distribution in Turkey: Konya, Ordu, Samsun, Tokat (Assing, 2009).

***Acrotone parvula* (Mannerheim, 1830)**

Material: **Antalya:** Kemer 15 km WNW, steep westside slope with stone pines, moist patches, under stones, 1115 m, 36°39'21"N, 30°24'48"E, 1 ex., 30.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Atheta aeneicollis* (Sharp, 1869)**

Material: **Antalya:** Aksekı, near Güçlüköy, dry hillside with terraces, 600 m, 36°48'N, 31°44'E, 2 exs., 14.III.2000; Alanya, Taşkesiği, east bank of Karpuz river, 50 m, 36°45'N, 31°37'E, 1 ex., 17.III.2000; same data but, in dry chicken carrion on sand, 50 m, 36°45'N, 31°37'E, 7 exs., 17.III.2000; Central province, Altınayaka 5 km S, hillside creek, humid

sycomore tree litter, sifted close to stem, 551 m, 36°28'42"N, 30°20'08"E, 6 exs., 30.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Atheta atramentaria* (Gyllenhal, 1810)**

Material: Antalya: Alanya, Taşkesiği, east bank of Karpuz river, flotsam sifted, on carrion, 50 m, 36°45'N, 31°37'E, 1 ex., 17.III.2000; Kuzyaka, hillside meadow with creek, in nearly dry cow dropping, 811 m, 36°47'24"N, 30°28'58"E, 1 ex., 27.III.2001; Central province, Kemer 5 km NW, rocky riverbank in canyon, on rotting meat, 197 m, 36°36'03"N, 30°29'03"E, 1 ex., 30.III.2001; near Ovacık, semi-moist dip with clay soil, in old cow dropping, 1051 m, 36°38'37"N, 30°26'14"E, 1 ex., 31.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Atheta elongatula* (Gravenhorst, 1802)**

Material: Antalya: Alanya, Taşkesiği, east bank of Karpuz river, in gravel with hollows under fresh flotsam, 50 m, 36°45'N, 31°37'E, 2 exs., 17.III.2000, leg. Rose (cRos).

Distribution in Turkey: According to Assing (2009), a recent record of this species is known only from Amasya province.

***Atheta laevana* (Mulsant & Rey, 1852)**

Material: Antalya: Alanya, mountain road between Sugözü & İlica, from mule dung, 400 m, 1 ex., 15.III.2000, leg. Rose (cRos).

Distribution in Turkey: Trabzon.

***Atheta longicornis* (Gravenhorst, 1802)**

Material: Antalya: Central province 5 km S, from quite fresh mule dung, 273 m, 36°49'22"N, 30°32'16"E, 1 ex., 31.III.2001; near Ovacık, semi-moist dip with clay soil, in old cow dropping, 1051 m, 36°38'37"N, 30°26'14"E, 1 ex., 31.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Atheta testaceipes* (Heer, 1839)**

Material: Izmir: Karaburun 25 km SE, 10 m, 38°21'02"N, 26°38'20"E, 2 exs., 19.XII.2008, leg. Anlaş (cAnl).

Distribution in Turkey: Kahramanmaraş, Manisa.

***Nehemitropia lividipennis* (Mannerheim, 1830)**

Material: Izmir: Bayındır, Osmanlar 2 km SE, 420 m, 38°18'07"N, 27°33'58"E, 2 exs., 12.XII.2008, leg. Anlaş (cAnl). **Mersin:** Mezitli, Çevikli 2 km S, 1 ex., 12.VII.2005, leg. Anlaş (cAnl).

Distribution in Turkey: Istanbul, Manisa, Tunceli.

Tribe Autaliini Thomson, 1859

***Autalia impressa* (Olivier, 1795)**

Material: Antalya: Central province, near Beşkonak, Köprülu Kanyon, shore of Köprü Cayı, from fine sand, 126 m, 37°07'08"N, 31°12'41"E, 1 ex., 17.III.2002, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

Tribe Falagriini Mulsant & Rey, 1873

***Anaulacaspis laevigata* Duvivier, 1883**

Material: Izmir: Bayındır, Yakapınar, 2 exs., 30.VI.2005, leg. Anlaş (cAnl). **Manisa:** Turgutlu, Çıkrıkçı, 5 exs., 23.V.2005, leg. Anlaş (LEMT, cAnl). **Mersin:** Central province, Mezitli, 4 exs., leg. Anlaş (cAnl).

Remarks: According to Smetana (2004), the species was previously known from Austria, Bosnia Hercegovina, Croatia, Greece, Italy and Uzbekistan. It is here reported from Turkey for the first time.

***Anaulacaspis pamphylica* (Fagel, 1969)**

Material: **Antalya:** Central province, Arif 2 km NW, dripping water under bridge, in gravel, 795 m, 36°31'23"N, 30°00'42"E, 23 exs., 26.III.2001; near Yarbaşı, clear river creek, under stones, 1084 m, 36°44'33"N, 30°20'24"E, 1 ex., 29.III.2001, leg. Rose (cRos).

Distribution in Turkey: *A. pamphylica* was previously known only one locality from Antalya province, Antalya (Fagel, 1969). The species represents the first records since the description of the species.

***Falagrioma thoracica* (Stephens, 1832)**

Material: **Kahramanmaraş:** Döngel cave, 820 m, 37°51'35"N, 36°38'29"E, 1 ex., 30.V.2008, leg. Yağmur (cAnl).

Distribution in Turkey: Muş, Ordu, Osmaniye, Samsun, Trabzon (Assing, 2009).

Tribe Hypocyphtini Laporte, 1835***Oligota pusillima* (Gravenhorst, 1806)**

Material: **Antalya:** Alanya, Side 5 km NW, dry sand dunes, litter of bushes sifted, 30 m, 1 ex., 13.III.2000, leg. Rose (cRos).

Distribution in Turkey: Mersin.

Tribe Myllaenini Ganglbauer, 1895***Myllaena intermedia* Erichson, 1837**

Material: **Antalya:** Central province, Beşkonak 1 km N, Köprülü Kanyon, waterfall, from moist mosses and leaves, 178 m, 37°11'14"N, 31°10'47"E, 1 ex., 22.III.2002, leg. Rose (cRos).

Izmir: Ödemiş, Bozdağlar, road to ski resort, ca. 1600 m, 38°21'N, 28°06'E, 2 exs., 21.V.2006, leg. Anlaş (cAnl).

Distribution in Turkey: Istanbul, Manisa.

Tribe Oxypodini Thomson, 1859***Ocalea ruficollis* Eppelsheim, 1888**

Material: **Antalya:** Central province, Kumuca 5 km E, dry meadow with stone pines, shady brookside, sifted, 530 m, 36°22'49"N, 30°22'49"E, 1 ex., 25.III.2001; Camyuva 6 km S, stone pine forest, at puddle, 15 m, 36°31'39"N, 30°31'39"E, 1 ex., 25.III.2001; near Çatallar, mountain river bank, from moss, under leaves and gravel, 370 m, 36°29'13"N, 30°04'56"E, 4 exs., 26.III.2001; Çıralı 3 km W, river shore in deciduous forest, from gravel close to tree root, 71 m, 36°25'27"N, 30°26'41"E, 13 exs., 28.III.2001; Söğütümavi 1 km N, hillside creek, from gravel and leaves, 1463 m, 36°41'50"N, 30°22'29"E, 2 exs., 29.III.2001; Kemer 5 km NW, rocky riverbank in canyon, from gravel with leaves and roots, 197 m, 36°36'03"N, 30°29'03"E, 2 exs., 30.III.2001, leg. Rose (cRos, cTer).

Distribution in Turkey: Istanbul, Manisa.

***Oxypoda carbonaria* (Heer, 1841)**

Material: **Antalya:** Central province, near Ovacık, semi-moist dip with clay soil, in old cow dropping, 1051 m, 36°38'37"N, 30°26'14"E, 1 ex., 31.III.2001, leg. Rose (cRos).

Distribution in Turkey: Izmir, Kahramanmaraş.

***Oxypoda filiformis* L. Redtenbacher, 1849**

Material: **Antalya:** Central province, Göltarya 2 km N, seasoning lake, under stones and sifted from litter near street, 1068 m, 36°34'20"N, 29°57'21"E, 1 ex., 26.III.2001, leg. Rose (cRos).

Distribution in Turkey: Not locality cited.

***Oxypoda flavicornis* Kraatz, 1856**

Material: **Antalya:** Akseki, near Güclüköy, single tree on field, litter and formicary sifted, 570 m, 3 exs., 16.III.2000; Central province, Sağırn, Köprülü Kanyon, dry grassland near river, at stones, 30 m, 37°04'33"N, 31°13'55"E, 1 ex., 17.III.2002, leg. Rose (cRos).

Distribution in Turkey: Istanbul, Izmir, Ordu, Sinop.

***Oxyroda longipes* Mulsant & Rey, 1861**

Material: **Antalya:** Central province, Saklıkent, slope (SE) with snow fields, nest of small mammal, sifted, 1905 m, 36°50'24"N, 30°19'53"E, 1 ex., 18.III.2002, leg. Rose (cRos).

Distribution in Turkey: Hatay, Kahramanmaraş, Konya, Mersin.

***Parocytusa longitarsis* (Erichson, 1839)**

Material: **Antalya:** Central province, near Çatallar, mountain river bank, from moss, under leaves and gravel, 370 m, 36°29'13"N, 30°04'56"E, 3 exs., 26.III.2001; near Çakırlar, riverside, in wet gravel, 259 m, 36°48'51"N, 30°28'15"E, 1 ex., 27.III.2001; Çıralı 3 km W, river shore in deciduous forest, from gravel close to tree root, 71 m, 36°25'27"N, 30°26'41"E, 1 ex., 28.III.2001; Kemer 5 km NW, rocky riverbank in canyon, from wet mosses, 197 m, 36°36'03"N, 30°29'03"E, 15 exs., 30.III.2001, leg. Rose (cRos). **Mersin:** Central province, Mezitli, Çevikli 2 km S, small stream, 4 exs., 12.VII.2005, leg. Anlaş (cAnl).

Distribution in Turkey: Izmir, Manisa.

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LITERATURE CITED

- Anlaş, S.** 2009. Distributional checklist of the Staphylinidae (Coleoptera) of Turkey, with new and additional records. *Linzer biologische Beiträge*, 41 (1): 215-342.
- Assing, V.** 2009. On the Staphylinidae of Turkey. VI. Thirteen new species and additional records (Coleoptera). *Koleopterologische Rundschau*, 79: 117-172.
- Fagel, G.** 1969. Contribution à la connaissance des Staphylinidae. CIX. Les *Melagria* Casey de la région paléarctique occidentale. *Bulletin Institut Royal des Sciences Naturelles de Belgique*, 45 (34): 1-43.
- Herman, L. H.** 2001. Catalog of the Staphylinidae (Insecta: Coleoptera). 1758 to the end of the second millennium. Volumes I-VII. *Bulletin of the American Museum of Natural History*, 265: 1-4218.
- Smetana, A.** 2004. Subfamily Aleocharinae — In: Löbl I. & Smetana A. (eds), *Catalogue of Palaearctic Coleoptera. Volume 2. Hydrophiloidea, Histeroidea, Staphyliinoidea*. Apollo Books, Stenstrup, 353-494.