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## Auchenorrhyncha (Hemiptera) of Iraq: checklist and new records

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### ABSTRACT

All available data on Auchenorrhyncha from Iraq are summarized, listing 11 families and 128 species in 94 genera including the subfamily Ulopinae Le Peletier et Audinet-Serville, 1825, the tribe Vartini Zahniser et Dietrich, 2013, the subtribes Adelungiina Baker, 1915, and Paradorydiina Evans, 1936 and the genera *Cofana* Melichar, 1926, *Utecha* Emeljanov, 1996, *Varta* Distant, 1908, *Balcanocerus* Maldonado-Capriles, 1971, *Hespericerus* Gnezdilov, 1999, *Platyproctus* Lindberg, 1925, *Achrus* Lindberg, 1925, *Dryodurgades* Zachvatkin, 1946, *Paradorydium* Kirkaldy, 1901, *Artianus* Ribaut, 1942, *Tamaricades* Emeljanov, 1962, and *Masiripius* Dlabola, 1981 of the family Cicadellidae, with 18 species, and *Trypetimorpha occidentalis* Huang et Bourgoin, 1993 of the family Tropicuchidae and *Ommatidiotus iranicus* Horváth, 1905 and *Chirodisca astyages* (Dlabola, 1982) of the family Caliscelidae are recorded for the first time from Iraq. *Zubara lycii* Al-Ne'amy et Linnavuori, 1982 is redescribed based on the specimens from Diyala Province. *Zygina hussaini* Ghauri, 1964 is placed in synonymy under *Arboridia kermanshah* Dlabola, 1963. *Dictyophara iracina* Dlabola, 1989 is transferred to the genus *Raivuna* Fennah, 1978, with a new combination proposed – *Raivuna iracina* (Dlabola, 1989), comb. n. The lectotype is designated for *Dorydium breviceps* Melichar, 1902 [currently *Paradorydium breviceps* (Melichar, 1902)] to stabilize the nomenclature in the studied group according to the International Code of Zoological Nomenclature.

**Key words:** Cicadomorpha, Fulgoromorpha, lectotype designation, Middle East, morphology, new combination, new record, new synonymy

## Auchenorrhyncha (Hemiptera) Ирака: список видов и новые находки

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### РЕЗЮМЕ

Суммированы все доступные данные по фауне цикадовых Ирака, с указанием 11 семейств и 128 видов из 94 родов, включая подсемейство Ulopinae Le Peletier et Audinet-Serville, 1825, трибу Vartini Zahniser et Dietrich, 2013, подтрибы Adelungiina Baker, 1915 и Paradorydiina Evans, 1936 и роды *Cofana* Melichar, 1926,

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*Utecha* Emeljanov, 1996, *Varta* Distant, 1908, *Balcanocerus* Maldonado-Capriles, 1971, *Hespericerus* Gnezdilov, 1999, *Platyproctus* Lindberg, 1925, *Achrus* Lindberg, 1925, *Dryodurgades* Zachvatkin, 1946, *Paradorydium* Kirkaldy, 1901, *Artianus* Ribaut, 1942, *Tamaricades* Emeljanov, 1962 и *Masiripius* Dlabola, 1981 из семейства Cicadellidae с 18 видами, а также *Trypetimorpha occidentalis* Huang et Bourgoïn, 1993 из семейства Tropiduchidae и *Ommatidiotus iranicus* Horváth, 1905 и *Chirodisca astyages* (Dlabola, 1982) из семейства Caliscelidae, впервые указанные для Ирака. Переописана *Zubara lycii* Al-Ne'amy et Linnavuori, 1982 по материалам из провинции Дияла. *Zygina hussaini* Ghauri, 1964 сведен в синонимы к *Arboridia kermanshah* Dlabola, 1963. *Dictyophara iracina* Dlabola, 1989 перенесен в род *Raivuna* Fennah, 1978 с образованием новой комбинации – *Raivuna iracina* (Dlabola, 1989), comb. n. Обозначен лектотип для *Dorydium breviceps* Melichar, 1902 [сейчас *Paradorydium breviceps* (Melichar, 1902)] в целях стабилизации номенклатуры изучаемой группы в соответствии с Международным кодексом зоологической номенклатуры.

**Ключевые слова:** Cicadomorpha, Fulgoromorpha, обозначение лектотипа, Ближний Восток, морфология, новая комбинация, новое указание, новый синоним

## INTRODUCTION

The Auchenorrhyncha fauna of Iraq has never been the focus of a monographic study. The earliest record from this country appears to be the description of *Cicada viridissima* by F. Walker (1858) [currently *Klapperichicen viridissimus* (Walker, 1858)] (Cicadidae), based on male and female specimens from Baghdad (Schedl 2003). It was not until 70 years later that China (1927) recorded two other species, *Exitianus nanus* (Distant, 1908) and *Oliarus nigrofurcatus* Signoret, 1884, from Basra. Dlabola (1952) provided the first list of planthoppers and leafhoppers known from Iraq based on the specimens collected by Dr. Kálal di Lotti in the neighbourhood of Baghdad and in Shaqlawa (Kurdistan, Erbil Province), recording 48 species. Shortly thereafter, Derwesh (1965) recorded 40 species, identified mostly by R. Remane in 1958, with one-third of them identified only to the genus level and lacking locality data. Further species were added by various authors in their faunistic and taxonomic papers or in the articles on applied entomology (China 1938; Dlabola 1957, 1960, 1965, 1972, 1979, 1985a, 1987, 1988, 1989; Abu Yaman 1967; Ghauri 1964, 1972a, 1972b; Kartal 1980; Remane 1961, 1966, 1967; Asche 1982; Asche and Remane 1983; Al-Ne'amy and Linnavuori 1982; Hoch and Remane 1985; Remane and Asche 1986; Remane and Hoch 1986; Hassan et al. 2003; Gnezdilov 2011; Gnezdilov and Wilson 2006; Gnezdilov et al. 2004; El-Sonbati et al. 2016, 2017, 2019; Al-Asady 1999, 2002; Al-Rubai and Al-Azawi 1999; Al-Asady and Al-Gailany 2002; Al-Asady et al. 2014), as well as in museum specimen lists (Abdul-Rassoul et al. 1978,

1988). Altogether, there are published records of ca. 90 species of Auchenorrhyncha from Iraq. In the checklist presented below, only species with specimen data provided in the original publications (with references under each species name) are included, while general mentions of Iraq in other publications without further information on the specimens are excluded.

The current study is based on the specimens collected in Iraq from 1957 to 1958 by Prof. Dr. R. Remane (1929–2009) and deposited in the Senckenberg Naturhistorische Sammlungen, Dresden (Germany). This material was examined and identified by the authors in April–June 2023 thanks to financial support from the Alexander von Humboldt Stiftung.

## MATERIAL AND METHODS

Morphological terminology follows Dietrich (2005). Photos were taken by a Canon EOS 5D Mark IV camera with a Canon-MP-E 65mm f/2.8 1-5X Macro lens and a Canon Macro Twin Lite MT-26EX-RT flash. Images were processed using Helicon Focus v. 6.7.1 and Adobe Photoshop software.

Locality names are reproduced here as they appear on the labels under Remane's specimens. The specimens examined are mainly from the former Baghdad Province (currently Baghdad and Saladin Governorates), former Mosul Province (currently Nineveh, Ninawa, and Duhok Governorates), former Ramadi Province (currently Al Anbar Governorate), former Nasiria (or Nasiriyah) Province (currently Dhi Qar Governorate), Erbil Governorate, Maysan Governorate, and Diyala Governorate. The material listed is divided between the Senckenberg

Naturhistorische Sammlungen, Dresden, Germany and the Zoological Institute, Russian Academy of Sciences, Saint Petersburg (Russia). Abbreviation: RR (Reinhard Remane).

## NEW RECORDS AND COMMENTS

### Family Cixiidae Spinola, 1839

#### Subfamily Cixiinae Spinola, 1839

#### Tribe Pentastirini Emeljanov, 1971

#### Subtribe Pentastirina Emeljanov, 1971

#### *Hyalestes diyalus* Hoch et Remane, 1985

**Note.** *Hyalestes diyalus* was described based on a single male specimen from northeastern Iraq (Diyala Governorate) (Hoch and Remane 1985; Remane and Hoch 1986), while *H. zabolicus* Dlabola, 1985 was described based on two males from southeastern Iran (Sistan and Baluchestan Province) (Dlabola 1985b). Both species are distinctive within the genus due to their male anal tube, which has an acutely angulated apical process in caudal view (Dlabola 1985b: fig. 136; Remane and Hoch 1986: fig. 2c). Since this character is unique within the genus, we cannot exclude the possibility that these names are synonyms; however, to make a final decision, reexamination of the holotype of *H. zabolicus*, whose location is currently unknown, is necessary.

### Family Dictyopharidae Spinola, 1839

#### Subfamily Dictyopharinae Spinola, 1839

#### Tribe Dictyopharini Spinola, 1839

#### *Raivuna iracina* (Dlabola, 1989), comb. n.

*Dictyophara iracina* Dlabola, 1989: 32, Abb. VII.

**Note.** The species is transferred to the genus *Raivuna* Fennah, 1978 based on body coloration and the structure of the male genitalia, particularly the aedeagal hooks that are not visible externally and the vertically elongated plate of the style (Dlabola 1989: Abb. VII, 1, 2, 4, 5).

### Family Caliscelidae Amyot et Audinet-Serville, 1843

#### Subfamily Ommatidiotinae Fieber, 1875

### Tribe Ommatidiotini Fieber, 1875

#### *Ommatidiotus iranicus* Horváth, 1905

**Material examined.** Mosul Province: 3 males, 2 females, Swaratuka, “Wiese”, ~1400 m, 17 June 1958; 7 males, 4 females, Zawitta, “Pinal”, ~1350 m, 17 June 1958; 1 male, Kadish, ~1200 m, 20 June 1958; 2 males, 2 females, Sarsang, 1200–1800 m, 19–21 June 1958, all leg. RR.

**Note.** Apparently recorded by Dlabola (1952) from the neighbourhood of Baghdad as *Ommatidiotus longiceps* Puton, 1896. This species was originally described from Spain (Puton 1896); however, it is absent from the Middle East (Gnezdilov and Özgen 2024).

### Subfamily Caliscelinae Amyot et Audinet-Serville, 1843

#### Tribe Caliscelini Amyot et Audinet-Serville, 1843

#### *Chirodisca astyages* (Dlabola, 1982)

**Material examined.** 1 male, 3 females, Baghdad Province, Abu-Ghraib, 13 December 1957 – 26 October 1958, RR leg.

**Note.** The species was described from Iran and has been recorded so far from Azerbaijan (Nakhichevan Republic) and Israel (Logvinenko 1968; Dlabola 1982, 1994).

### Family Tropicuchidae Stål, 1866

#### Subfamily Tropicuchinae Stål, 1866

#### Tribe Trypetimorphini Fieber, 1872

#### *Ommatissus binotatus* Fieber, 1875

**Material examined.** Baghdad Province: 7 males, 2 females, Baghdad, 3–22 October 1958; 1 male, 1 female, Abu-Ghraib, 12 February – 11 June 1958, all leg. RR.

**Note.** The species was recorded from the country by Derwesh (1965) without specifying the locality.

#### *Trypetimorpha occidentalis* Huang et Bourgoin, 1993

**Material examined.** 1 male, Mosul Province, Kadish, 20 June 1958, RR leg.

**Note.** The species has so far been known from Europe and the northwestern Caucasus in Russia (Huang and Bourgoin 1993; Gnezdilov 1999a). Iranian records of *Trypetimorpha fenestrata* Costa, 1862 by Dlabola (1981) still need verification.

**Family Aphrophoridae Amyot et Audinet-Serville, 1843**

**Subfamily Aphrophorinae Amyot et Audinet-Serville, 1843**

**Tribe Philaenini Metcalf, 1955**

**Note.** *Philaenus signatus* Melichar, 1896 recorded from Shaqlawa (Kurdistan, Erbil Governorate) by Dlabola (1952) is apparently a doubtful identification, as another species of the *Ph. signatus* group, *Ph. elbursianus* Tishechkin, 2012, is present in neighbouring Iran (Tishechkin 2012; Mozaffarian and Wilson 2015). According to Drosopoulos and Remane (2000), all previous records of *Ph. signatus* Melichar from outside the Mediterranean region need to be revised.

**Family Cicadellidae Latreille, 1825**

**Subfamily Cicadellinae Latreille, 1825**

**Tribe Cicadellini Latreille, 1825**

***Cofana spectra* (Distant, 1908)**

**Material examined.** 1 female, Amara Province, Fukka, "Steppenhügel", 7 April 1958, RR leg.

**Subfamily Ulopinae La Peletier et Audinet-Serville, 1825**

**Tribe Ulopini La Peletier et Audinet-Serville, 1825**

***Utecha trivialis elbursica* (Dlabola, 1979)**

**Material examined.** Mosul Province: 2 males, 2 females, Kadish, ~1200 m, 18 June 1958; 1 male, Swaratuka, "Wiese", ~1400 m, 17 June 1958; 1 male, Zawitta, "Pinal", 1350 m, 17 June 1958; 1 male, Sar-sang, 1200–1800 m, 19 June 1958, all leg. RR.

**Subfamily Megophthalminae Kirkaldy, 1906**

**Tribe Adelungiini Baker, 1915**

**Subtribe Adelungiina Baker, 1915**

***Platyproctus* sp.**

**Material examined.** 1 female, Amara Province, Chlat, 5 April 1958; 1 female, Diyala Province, Jebel Hamrin, Muqdadia, 18 May 1958, all leg. RR.

**Note.** This is the first record of the genus *Platyproctus* Lindberg, 1925 from the country, while six species are known from neighbouring Iran (Mozaffarian and Gnezdilov 2022).

**Subtribe Achrina Davis, 1975**

***Achrus albicosta* (Kusnezov, 1929)**

**Material examined.** 1 male, 2 females, Nasiria Province, Busaya, "Wüste", 14 April 1958, RR leg.

**Note.** The pygofer apices of the male from Busaya are turned upward (in lateral view), in contrast to the specimens from other parts of the global range of this species, in which pygofer apices are rather horizontal or turned downward (Gnezdilov et al. 2021: figs 21, 32, 35). We consider these differences as variations.

***Zubara lycii* Al-Ne'amy et Linnavuori, 1982**

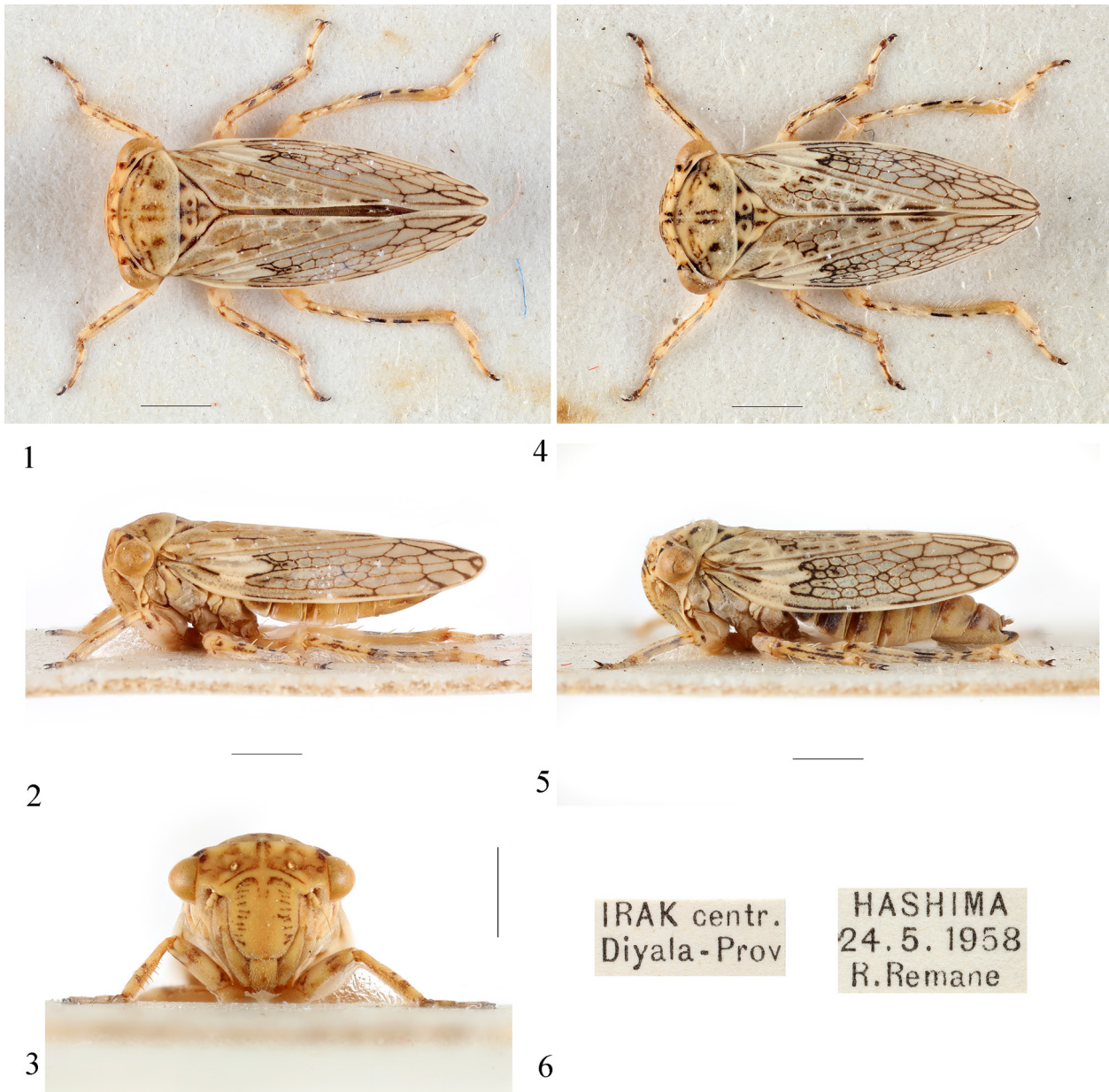
(Figs 1–6)

**Material examined.** 9 males, 9 females, Diyala Province, Hashima, 24 May 1958; 1 male, Nasiria Province, Busaya, Wüste, 14 April 1958, all leg. RR.

**Supplementary description. Structure.** Head with eyes distinctly wider than pronotum (in dorsal view) (Figs 1, 4). Crown vertical. Frontoclypeus large, convex, with two large ocelli above (Fig. 3). Anteclypeus flat, longer than wide. Lora large, oval. Rostrum not reaching hind coxae, with third segment longer than second one, not narrowing apically. Pronotum massive, with pair of concavities behind eyes. Mesonotum half as long as pronotum medially, with transverse concavity medially. Fore and hind wings are nearly equal in length, slightly surpassing abdominal apex. Forewings narrowing apically, with reticulate venation; clavus long, 2/3 of wing length (Figs 1, 2, 4, 5). Hind femur with two apical spines (2 : 0). Hind tibia with six spines on pointed socles apically. First segment of fore and middle tarsi shorter than second and third ones. First metatarsomere long, nearly as long as second and third ones combined. Tarsomeres of fore and middle legs without platellae ventrally. First metatarsomere with three rows of setae ventrally: one row of platellae (15 ones) and two rows of pointed setae. Claws large, with arolium half as long as claws (in dorsal view).

**Coloration.** Straw yellow generally, with brown to dark brown veins of forewings except radius and median whitish in its basal fourth (except basement) and dark brown to black claws. Poorly pigmented specimens with forewing veins light. Face, femora, and tibiae with brown stripes and spots. Rostrum with black apex. Mesonotum with brown median





**Figs 1–6.** *Zubara lycii* Al-Ne'amy et Linnavuori, 1982 (Diyala Governorate, Hashima). 1 – male, dorsal view; 2 – same, lateral view; 3 – same, frontal view; 4 – female, dorsal view; 5 – same, lateral view; 6 – labels. Scale bar – 1 mm.

concavity and pair of brown dots below it. Well pigmented specimens with four longitudinal dark brown stripes on pronotum and with three triangular dark brown spots on anterior margin of mesonotum. Hind wings opaque, with brown to dark brown veins. Female sternite VII black, with whitish hind margin. Ovipositor with brown apices of valvifers.

**Male genitalia.** Anal tube short. Hind margins of pygofer with a large narrow process each.

**Female genitalia.** Sternite VII concave medially. Anal tube short. Valvifers of ovipositor distinctly longer than pygofer (in lateral view) (Fig. 5).

**Total length.** Males – 4.8–5.5 mm. Females – 5.1–5.5 mm.

**Note.** The species and genus are distinctive within the tribe due to unusually small aedeagus compared to other parts of the genital block (pygofer, connective, styles). It was described from southern Iraq (Basra) (Al-Ne'amy and Linnavuori 1982) and has recently been recorded in southwestern Iran (Khouzestan Province) (Mozaffarian and Gnezdilov 2022). The supplementary description given above is based on the specimens from Hashima in Diyala Governorate (Fig. 6).

### Tribe Agalliini Kirkaldy, 1901

#### Subtribe Agalliina Kirkaldy, 1901

##### *Dryodurgades* sp.

**Material examined.** 1 female, Mosul Province, Aqra, "Salta-Schl.", 24 June 1958, RR leg.

**Note.** This is the first record of the genus from Iraq.

### Subfamily Eurymelinae Amyot et Audinet-Serville, 1843

#### Tribe Idiocerini Baker, 1915

##### *Balcanocerus stellatus* Gnezdilov et Özgen, 2021

**Material examined.** 5 males, 8 females, Mosul Province, Duhok, 850 m, 16 June 1958, RR leg.

**Note.** This is the first record of the species from Iraq. *Balcanocerus stellatus* was recently described from eastern Anatolia in Turkey (Gnezdilov and Özgen 2021) and was later found in Armenia (Gnezdilov et al. 2024).

##### *Balcanocerus amygdalicolus* Dlabola, 1994

**Material examined.** Mosul Province: 2 males, Duhok, 16 June 1958; 2 females, Sarsang, 19–21 June 1958; 1 male, 3 females, Zakho, 22 June 1958; all leg. RR.

**Note.** The species is reliably known from Iran (Dlabola 1994; Mozaffarian and Wilson 2016).

##### *Hespericerus alkani* (Wagner, 1958)

**Material examined.** 1 male, Mosul Province, Sarsang, 1200–1800 m, 19 June 1958, RR leg.

**Note.** This is the first record of the species from Iraq. The species was described from Turkey (Wagner 1958; Lodos and Kalkandelen 1982; Gnezdilov 2006) and Dlabola (1981) recorded it from southern Iran (Kerman Province).

##### *Hespericerus brusinae* (Horváth, 1895)

**Material examined.** 1 male, Mosul Province, Sarsang, 19 June 1958, RR leg.

**Note.** The species is widely distributed in the Mediterranean and in the Middle Asia (Gnezdilov 1999b, 2006).

### Subfamily Typhlocybinae Kirschbaum, 1868

#### Tribe Erythroneurini Young, 1952

##### *Arboridia* (*Arboridia*) *kermanshah* (Dlabola, 1963)

*Erythroneura* (*Arboridia*) *kermanshah* Dlabola 1963: 310, figs A–E, K, M.

*Zygina hussaini* Ghauri 1964: 381, figs A–M, **syn. n.**

**Note.** A comparison of the descriptions and illustrations including the male genitalia structure of *A. kermanshah* (Dlabola, 1963) described from western Iran (Kermanshah) (Dlabola 1963) and *A. hussaini* (Ghauri, 1964) described from Iraq (Abu-Ghraib, Duhok, Zafarania, Abul Khaceeb) revealed the synonymy of these names. Both species have an almost identical shape of the aedeagus and the processes of the anal tube as well as colour pattern of the head and mesonotum (Dlabola 1963: figs C, D, E, K; Ghauri 1964: figs A, G, H, I). As the description of *A. kermanshah* was published on 30 August 1963 (Dlabola 1963), and that of *A. hussaini* on 25 February 1964 (Ghauri 1964), the latter is a junior synonym of *A. kermanshah*.

Further studies including the examination of the type specimens are necessary to determine the taxonomic position of *Arboridia* (*Arboridia*) *amali* Al-Asady, 1999 and *A. (A.) kurdistani* Al-Asady, Amin et Younis, 2014, also described from Iraq (Al-Asady 1999; Al-Asady et al. 2014).

### Subfamily Deltocephalinae Dallas, 1870

#### Tribe Eupelicini Sahlberg, 1871

##### Subtribe Eupelicina Sahlberg, 1871

##### *Eupelix cuspidata* (Fabricius, 1775)

**Material examined.** 1 male, Mosul Province, Swaratuka, Wiese, 17 June 1958; 1 female, Mosul Province, Sarsang, 1200–1800 m, 21 June 1958; 1 male, 1 female, Mosul Province, Zawitta, ~1350 m, 17 June 1958; 1 female, Diyala Province, Quraitu, 20 May 1958; 1 female, Diyala Province, Muqdadia, 19 May 1958; 1 male, Baghdad Province, Baiji, 12 May 1958; 1 male, 2 females, Baghdad Province, Abu-Ghraib, 9 December 1957 – 11 June 1958; 1 male, Kut Province, Hay, 26 May 1958, all leg. RR.

**Note.** The species was recorded from the country by Derwesh (1965) without specifying the locality.

### Subtribe *Paradorydiina* Evans, 1936

#### *Paradorydium breviceps* (Melichar, 1902)

*Dorydium breviceps* Melichar, 1902: 125 (50).

(Figs 7–12)

**Type material examined.** 1 female, lectotype (here designated) “Bampur – Kaskin / se. Persia / Zarudny 30 VII 98” [print except “30” hand written in ink] // “*Dorydium / breviceps* n sp” [hand written in ink] (ZIN).

**Other material examined.** 1 male, Amara Province, Shahabi, Steppenhügel, 5 April 1958; 9 males, Diyala Province, Djebel Hamrin, Muqdadia, 18 May 1958, all leg. RR.

**Supplementary description.** Crown triangular – elongate in female, twice as long medially as wide between eyes (Fig. 7) and rather short in male, as long medially as wide between eyes (Fig. 10). Crown with distinct median carina and slightly turned up apex (Figs 8, 11). Ocelli present. Pronotum large, with fine median carina and concave posterior margin. Mesonotum small, half as long as pronotum medially. Forewings elongate, narrowing apically, extending slightly beyond apex of abdomen. Clavus long, 2/3 of wing length. Basal cell large, elongately oval. Radius simple, median furcating after wing middle, cubitus anterior simple (Figs 7, 8, 12). Female sternite VII with deeply concave hind margin.

**Note.** The species was described by Melichar (1902) based on two females from Bampur (Fig. 9). Here, we designate the lectotype for one of these females deposited in the Zoological Institute of the Russian Academy of Sciences in Saint Petersburg (Russia). The species was known so far from Iran and Afghanistan (Melichar 1902; Dlabola 1957).

The male from Muqdadia illustrated here has a shorter head compared to the female lectotype (Figs 7, 8, 10, 11); however, this kind of sexual dimorphism is quite common within the *Paradorydiina* species (see Gnezdilov 2019: figs 8, 9).

### Tribe Chiasmini Distant, 1908

#### *Chiasmus conspurcatus* (Perris, 1857)

**Material examined.** 3 males, 2 females, Baghdad Province, Abu-Ghraib, 12 December 1957; 2 males,



**Figs 7–9.** *Paradorydium breviceps* (Melichar, 1902), female lectotype. 7 – dorsal view; 8 – lateral view; 9 – labels. Scale bar – 1 mm.

Baghdad Province, Baiji, 12 May 1958; 1 male, Diyala Province, Muqdadia, 18 May 1958; 1 male, Diyala Province, Baquba, 17 May 1958; 3 males, 6 females, Ramadi Province, Anah, 10 May 1958, all leg. RR.

**Note.** The species was recorded from the country by Dlabola (1952).

#### *Exitianus nanus* (Distant, 1908)

**Material examined.** 1 male, 2 females, Baghdad Province, Abu-Ghraib, 31 March and 14 April 1958, RR leg.

**Note.** The species was recorded from the country by China (1927).

#### *Exitianus plebejus* (Kirkaldy, 1906)

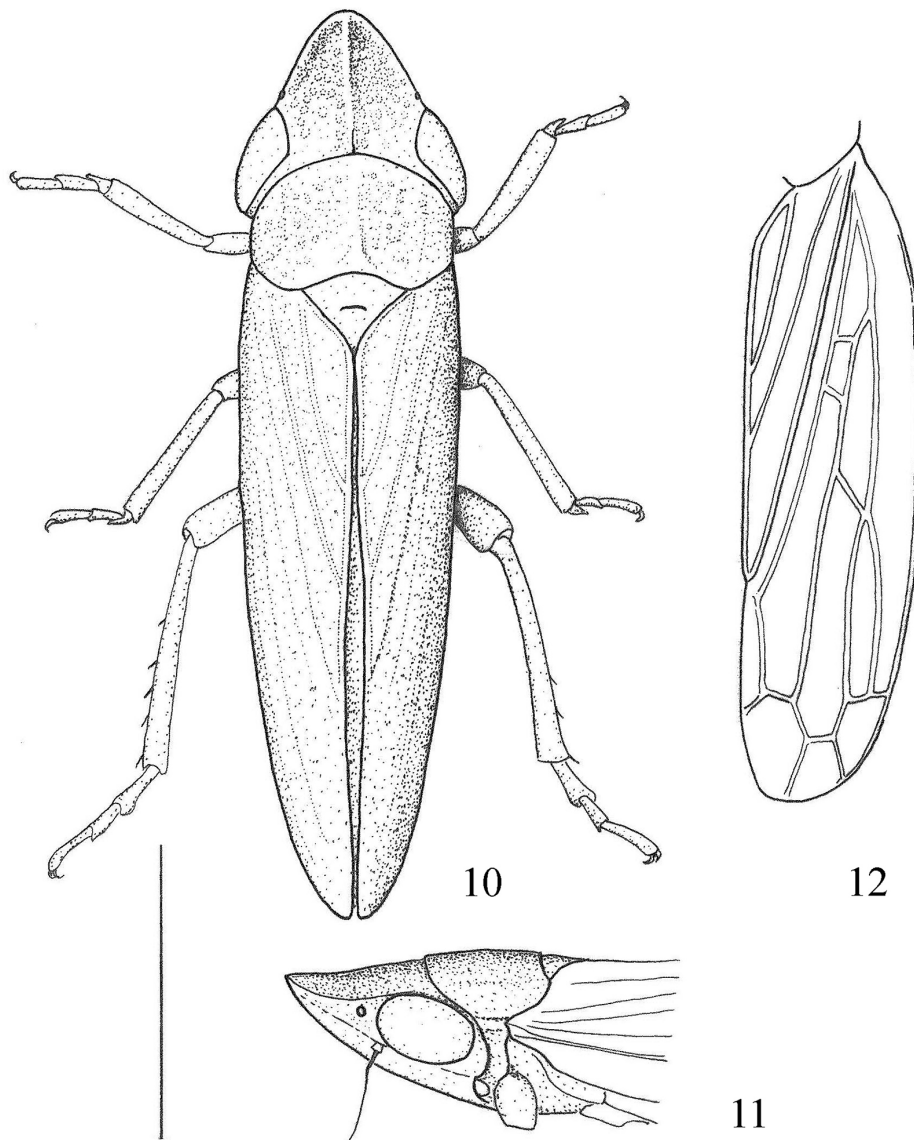
**Material examined.** 7 males, 11 females, Baghdad Province, Abu-Ghraib, 2 December 1957 – 5 November 1958, RR leg.

### Tribe Vartini Zahniser et Dietrich, 2013

#### *Varta rubrostriata* (Horváth, 1907)

**Material examined.** 1 male, 1 female, Baghdad Province, Abu-Ghraib, 2–16 December 1957; 1 fe-





**Figs 10–12.** *Paradorydium breviceps* (Melichar, 1902), male (Diyala Governorate, Muqdadia, 18.05.1958). 10 – dorsal view; 11 – head, lateral view; 12 – forewing. Scale bar – 1 mm.

male, Mosul Province, Duhok, 17 June 1958, 1000–1300 m, all leg. RR.

**Note.** In the Middle East the species is known from Turkey and Iran (Dlabola 1981).

**Tribe Athysanini Van Duzee, 1892**

***Artianus interstitialis* (Germar, 1821)**

**Material examined.** Mosul Province: 1 male, 1 female, Kadish, 18 June 1958, ~1200 m; 1 female, Duhok, 16 June 1958, ~850 m, all leg. RR.

**Tribe Paralimnini Distant, 1908**

**Subtribe Aglenina Dmitriev, 2004**

***Aglena ornata* (Herrich-Schäffer, 1838)**

**Material examined.** 10 males, 9 females, Mosul Province, Swaratuka, “Wiese”, ~1400 m, 17 June 1958, RR leg.

**Note.** The species was recorded from the country by Derwesh (1965) without specifying the locality.

**Tribe Phlepsiini Zahniser et Dietrich, 2013*****Phlepsius evinus* Dlabola, 1974**

**Material examined.** 1 male, Diyala Province, Quraitu, 20 May 1958, RR leg.

**Note.** The species was known so far from Turkmenistan, Iran, Armenia, Azerbaijan (Nakhichevan), Jordan, and Saudi Arabia (Dlabola 1974, 1980; Anufriev and Kalashnik 1992).

***Phlepsius intricatus* (Herrich-Shaeffer, 1838)**

**Material examined.** 1 male, Diyala Province, Muqdadia, 19 May 1958; 1 male, Mosul Province, Duhok, 16 June 1958, ~850 m; 2 males, 4 females, Mosul Province, Sarsang, 19–21 June 1958, 1200–1800 m; 1 male, 1 female, Baghdad Province, Balad, 14 May 1958; 6 males, 10 females, Baghdad Province, Abu-Ghraib, 1 December 1957 – 11 June 1958, all leg. RR.

**Note.** The species was recorded from the country by Derwesh (1965) without specifying the locality.

**Tribe Goniagnathini Wagner, 1951*****Goniagnathus (Goniagnathus) dursoicus* Dlabola, 1994**

**Material examined.** 1 male, Baghdad Province, Abu-Ghraib, 11 June 1958, RR leg.

**Note.** The species was considered so far as endemic to Iran (Dlabola 1994; Mozaffarian and Wilson 2016).

***Goniagnathus (Goniozygotes) bolivari* (Melichar, 1907)**

**Material examined.** Mosul Province: 1 male, Sarsang, 21 June 1958, 1200–1800 m; 1 male, Swaratu-ka, 17 June 1958, Wiese, ~1400 m, all leg. RR.

**Note.** In the Middle East, the species is recorded from Israel, Turkey, and Iran (Linnavuori 1956; Mozaffarian and Wilson 2016).

***Goniagnathus (Epistagma) guttulinervis* (Kirschbaum, 1868)**

**Material examined.** 1 male, 1 female, Diyala Province, Baquba, 15 May 1958; 3 males, 12 females, Baghdad Province, Abu-Ghraib, 2 December 1957 – 14 October 1958; 2 males, Baghdad Province, Baiji, 12 May 1958; 1 male, Ramadi Province, Hit, 8 May 1958; 1 male, Ramadi Province, Haditha, Wste, 8 May 1958, all leg. RR.

**Note.** The species was recorded by Dlabola (1952) from the neighbourhood of Baghdad.

***Tamaricades cf. maculatus* (Emeljanov, 1962)**

**Material examined.** 1 male, Ramadi Province, Ramadi, 7 May 1958; 3 males, 1 female, Diyala Province, Hashima, 24 May 1958; 1 female, Kut Province, Kut, 25 May 1958; 1 male, 5 females, Baghdad Province, Samarra, 14 May 1958, all leg. RR.

**Note.** In the Middle East, *Tamaricades maculatus* was known so far from Iran (Emeljanov 1962; Mozaffarian and Wilson 2016). The Iraqi specimens differ from *T. maculatus* s. str. by the wider aedeagal shaft.

**Tribe Opsiini Emeljanov, 1962****Subtribe Opsiina Emeljanov, 1962*****Opsius versicolor* (Distant, 1908)**

**Material examined.** 3 males, 2 females, Ramadi Province, Hit, 8 May 1958; 1 male, Mosul Province, Duhok, 17 June 1958, 1000–1300 m; 1 male, Baghdad, 29 October 1958; 2 males, Baghdad Province, Samarra, 14 May 1958; 3 males, 6 females, Baghdad Province, Abu-Ghraib, 13 December 1957 – 3 November 1958; 7 males, 19 females, Nasiria Province, Nasiria, 15–16 April 1958, all leg. RR.

**Note.** The specimens were identified by R. Re- mane.

***Orosius albicinctus* Distant, 1918**

**Material examined.** 4 males, 4 females, Baghdad, 23 March – 6 November 1958; 3 males, 1 female, Baghdad Province, Tikrit, 13 May 1958, Wüste; 2 males, Baghdad Province, Baiji, 12 May 1958; 5 males, 4 females, Baghdad Province, Samarra, 14 May 1958; 1 male, 8 females, Ramadi Province, Anah, 10 May 1958; 1 female, Mosul Province, Sarsang, 1200–1800 m, 19 June 1958; 1 female, Ramadi Province, Ramadi, 6 May 1958; 1 female, Basra Province, Za'fuan, 13 April 1958, Wüste; 1 female, Ramadi Province, Hit, 7 May 1958; 4 females, Ramadi Province, Haditha, 9 May 1958; 5 females, Baghdad Province, Abu-Ghraib, 17 April – 3 November 1958; 1 male, Diyala Province, Muqdadia, 17 May 1958; 3 females, Diyala Province, Baquba, 15 May 1958; 1 male, Diyala Province, Khanagin, 19 May 1958; 1 female, Nasiria Province, Nasiria, 15 April 1958, all leg. RR.

**Notes.** The species was recorded from Iraq by Dlabola (1952) as *Orosius filigranus* (Haupt, 1927).

The Iraqi specimens differ from those illustrated by El-Sonbati et al. (2019: fig. 25) by the smooth ventro-basal surface of the aedeagus.

***Masiripius lugubris* (Distant, 1918)**

(Figs 13–30)

**Material examined.** 3 males, 1 female, Ramadi Province, Al Qaim, Wüste, Wadi, 10 May 1958; 3 males, 11 females, Baghdad Province, Baiji, 12 May 1958; 1 male, Diyala Province, Quraitu, 20 May 1958, all leg. RR.

**Note.** The species was known so far from India (Distant 1918), Iran (Dlabola 1981), Oman, and Qatar (El-Sonbati et al. 2017).

**Subtribe Circuliferina Emeljanov, 1962**

***Neoaliturus translucens* Tishechkin, 2021**

**Material examined.** 6 males, 1 female, Mosul Province, Duhok, 16–17 June 1958, ~850 m; 1 male, Mosul Province, Zakko, 22 June 1958; 1 female, Mosul Province, Swaratuka, 17 June 1958, Wiese, ~1400 m; 2 males, 3 females, Mosul Province, Sarasang, 19–21 June 1958, 1200–1800 m; 5 females, Mosul Province, Zawitha, 17 June 1958, Pinal, ~1350 m; 2 males, 2 females, Mosul Province, Kadish, 18–20 June 1958, ~1200 m; 2 males, 1 female, Diyala Province, Baquba, 15–17 May 1958; 3 males, 2 females, Diyala Province, Quraitu, 20 May 1958; 4 males, 1 female, Diyala Province, Saadia, 19 May 1958; 1 female, Diyala Province, Muqdadia, 18 May 1958; 1 female, Diyala Province, Mandali, 23 May 1958; 1 male, Diyala Province, Khanaqin, 19 May 1958; 7 males, 1 female, Baghdad, 20 October – 14 November 1958; 17 males, 3 females, Baghdad Province, Abu-Ghraib, 7 December 1957 – 5 November 1958; 8 males, 4 females, Baghdad Province, Tikrit, 13 May 1958; 2 males, 10 females, Baghdad Province, Balad, 14 May 1958, all leg. RR.

**Note.** The species was known so far from Iran, Turkmenistan, Tajikistan, and Kazakhstan (Tishechkin 2021). It appears that *N. fenestratus* (Herich-Shäffer, 1834) and *N. guttulatus* (Kirschbaum, 1868) recorded from Iraq by Dlabola (1952) were misidentified as *N. translucens* Tishechkin, 2021.

***Neoaliturus pulcher* Haupt, 1927**

**Note.** The species was recorded from Waziriya in Baghdad Province by Abdul-Rassoul et al. (1978). However, *N. pulcher* was originally described from

Palestine (Haupt 1927) and another *Neoaliturus* species, *N. grandidentis* Gnezdilov, 2022, originally described from the United Arab Emirates, occurs in Israel (Gnezdilov 2022; Sinaiko and Dietrich 2023). Therefore, the specimens from Waziriya need to be reexamined to determine which *Neoaliturus* species is present in Iraq.

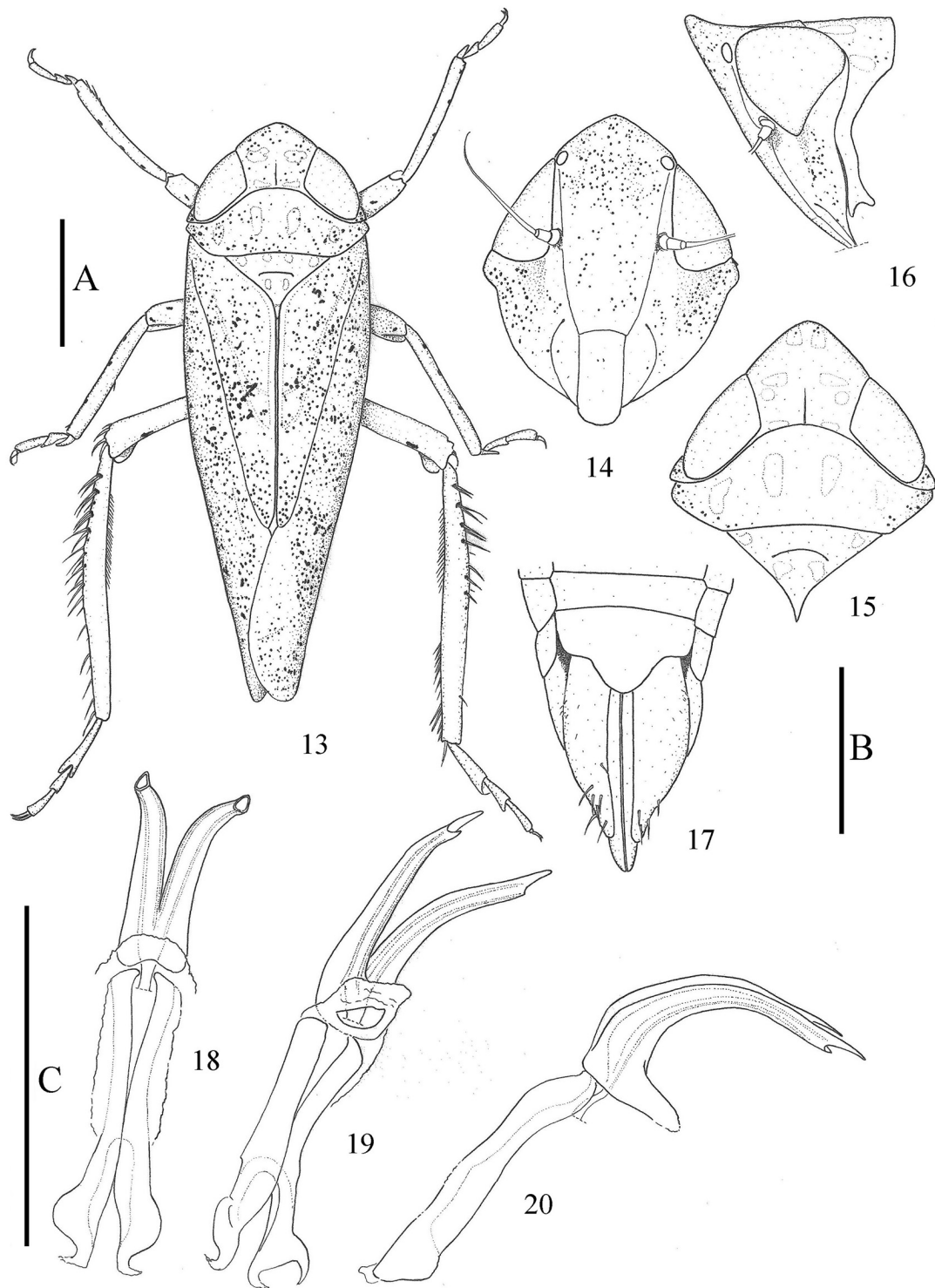
**DISCUSSION**

The checklist presented here is based on original descriptions, species lists and records extracted from well-known databases (Dmitriev 2003-present; Bourgoïn 2024). Despite some critical revision and comments made on these records, the presented list does not claim to be absolutely accurate. It can serve, however, as a foundation for further revision of the Iraqi Auchenorrhyncha fauna.

In total, the current list of Auchenorrhyncha recorded from Iraq comprises 11 families, with 128 species in 93 genera as follows: Cixiidae (14 species / 7 genera), Delphacidae (10/10), Dictyopharidae (5/2), Issidae (4/3), Caliscelidae (3/3), Tropiduchidae (3/2), Flatidae (1/1), Cicadidae (7/5), Aphrophoridae (2/2), Cercopidae (1/1), and Cicadellidae (78/58, represented by 24 tribes in seven subfamilies).

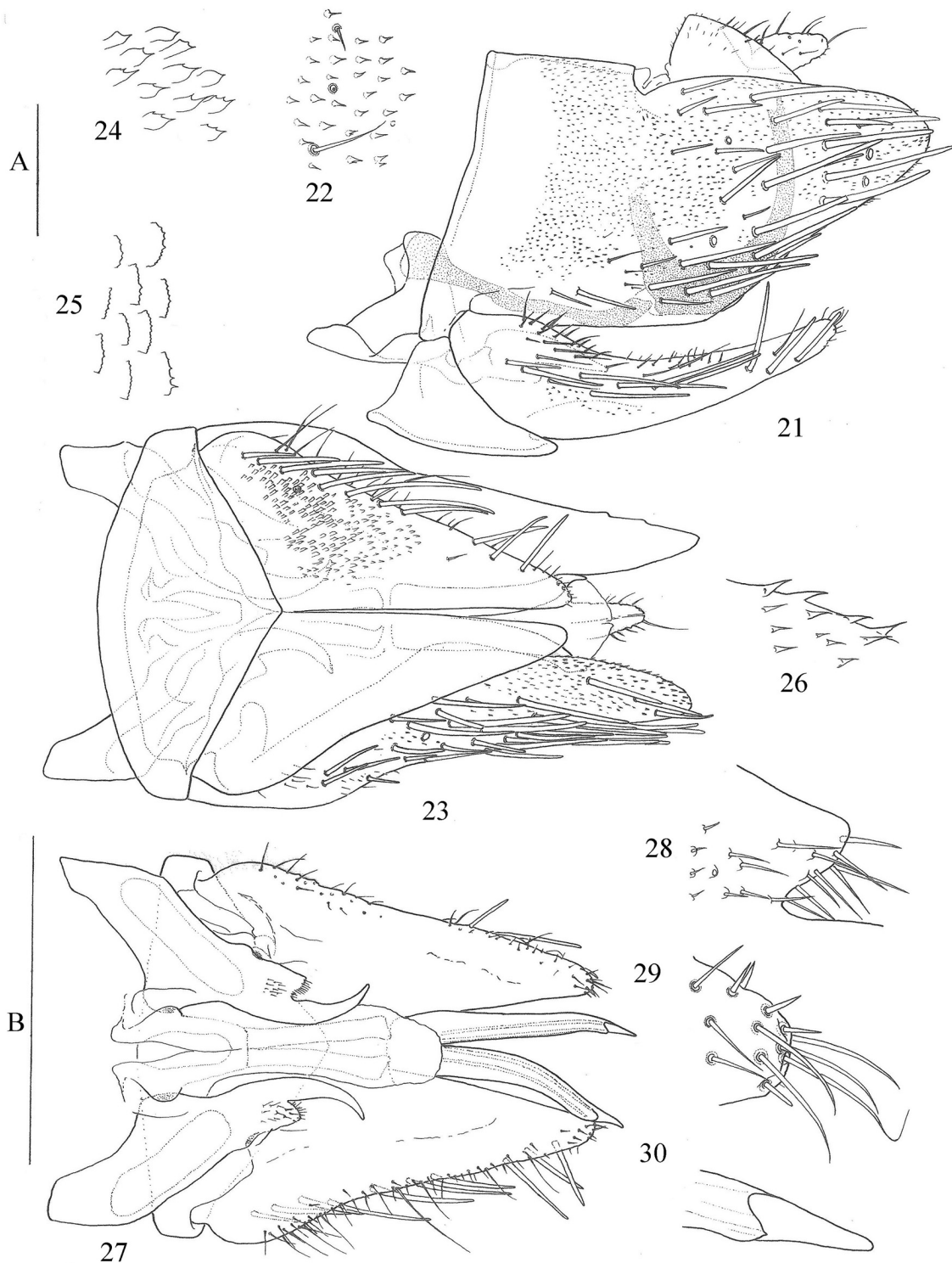
The subfamily Ulopinae La Peletier et Audinet-Serville, the tribe Vartini Zahniser et Dietrich, the subtribes Adelungiina Baker and Paradorydiina Evans, and the genera *Utecha* Emeljanov, 1996, *Varta* Distant, 1908, *Balcanocerus* Maldonado-Capriles, 1971, *Hespericercus* Gnezdilov, 1999, *Patyproctus* Lindberg, 1925, *Achrus* Lindberg, 1925, *Dryodurgades* Zachvatkin, 1946, *Cofana* Melichar, 1926, *Paradorydium* Kirkaldy, 1901, *Artianus* Ribaut, 1942, *Tamaricades* Emeljanov, 1962, and *Masiripius* Dlabola, 1981 of the family Cicadellidae and the genus *Trypetimorpha* Costa, 1862 of the family Tropiduchidae and the genus *Chirodisca* Emeljanov, 1996 of the family Caliscelidae are recorded from Iraq for the first time.

In neighbouring Iran, 235 species from 15 Fulgoroidea families, 390 species of Cicadellidae, 45 species of Cicadidae, and 10 species of Aphrophoridae are recorded so far (Mozaffarian and Wilson 2011, 2015, 2016; Mozaffarian and Sanborn 2010, 2016). Thus, Auchenorrhyncha of Iraq still remains poorly documented compared to other countries in the region and requires further study. The Auchenorrhyncha collection of Reinhard Remane from Iraq apparently contains additional taxa awaiting description.



**Figs 13–20.** *Masiripius lugubris* (Distant, 1918), external view. 13 – male (Al Anbar Governorate, Al Qaim, 10 May 1958), dorsal view; 14 – female (Saladin Governorate, Biji, 12 May 1958), head, ventral view; 15 – same, dorsal view; 16 – same, lateral view; 17 – ovipositor, ventral view; 18 – aedeagus and connective, dorsal view; 19 – same, dorso-lateral view; 20 – same, lateral view. Scale bar: A – 1 mm (13), B – 1 mm (14–17), C – 0.5 mm (18–20).





**Figs 21–30.** *Masiripius lugubris* (Distant, 1918), male (Al Anbar Governorate, Al Qaim, 10 May 1958). 21 – genital block, lateral view; 22 – surface of pygofer; 23 – genital block, ventral view; 24 – ventral surface of subgenital plate; 25 – ventral surface of genital valve; 26 – surface of apex of pygofer lobe; 27 – genital block, dorsal view; 28 – setae below capitulum of style; 29 – apex of subgenital plate; 30 – apex of aedeagal shaft. Scale bar: A – 0.05 mm (22, 24, 25, 26, 28–30), B – 0.5 mm (21, 23, 27).

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## SUPPLEMENT 1. CHECKLIST OF AUCHENORRHYNCHA FROM IRAQ

### Family CIXIIDAE Spinola, 1839

#### Subfamily Cixiinae Spinola, 1839

##### Tribe Pentastirini Emeljanov, 1971

##### Subtribe Pentastirina Emeljanov, 1971

*Eumecurus angustiformis* (Linnavuori, 1953)

– Abdul-Rassoul et al. 1978: 3 (Baghdad Governorate)

*E. raunoi* Dlabola, 1988

– Dlabola 1988: 65 (Karbala Governorate)

*Hyalesthes (Homalesthes) aylanus* Hoch et Remane, 1985

– Hoch and Remane 1985: 407 (Duhok Governorate)

*H. (Hyalesthes) mavromoustakisi* Dlabola, 1959

– Hoch and Remane 1985: 397 (Sulaymaniah Governorate)

*H. (Hyalesthes) mlokosiewiczzi* Signoret, 1879

– Hoch and Remane 1985: 396 (Diyala Governorate)

*H. (Hyalesthes) obsoletus* Signoret, 1865

– Dlabola 1952: 37 (Baghdad Governorate)

– Hoch and Remane 1985: 393 (Diyala, Erbil, Kirkuk, Duhok, Al Anbar, Saladin, and Sulaymaniah Governorates)

*Hyalesthes (Homalesthes) diyalus* Hoch et Remane, 1985

– Hoch and Remane 1985: 395 (Diyala Governorate)

*Oliarus nigrofurcatus* Signoret, 1884

– China 1927: 189 (Basra Governorate)

*Pseudoliarus fuscofasciatus* (Melichar, 1902)

– Dlabola 1952: 37 (Baghdad Governorate)

***P. palestinensis*** Linnavuori, 1962

– Abdul-Rassoul et al. 1988: 7 (Baghdad Governorate)

***Reptalus (Trepalus) suleiman*** Dlabola, 1988

– Dlabola 1988: 61 (Sulaymaniah Governorate)

***Setapius lindbergi*** (Dlabola, 1957)

– Abdul-Rassoul et al. 1978: 4 (Baghdad Governorate)

#### Tribe Duiliini Emeljanov, 2002

***Duilius modestus*** Horváth, 1894 (= *D. bagdadus* Dlabola, 1952 fide Emeljanov 2015)

– Dlabola 1952: 29 (as *Duilius bagdadus* Dlabola, 1952; Baghdad Governorate)

***D. seticulosus*** (Lethierry, 1874)

– Dlabola 1952: 30 (Baghdad Governorate)

#### Family DELPHACIDAE Leach, 1815

##### Subfamily Delphacinae Leach, 1815

###### Tribe Delphacini Leach, 1815

***Delphacodes nastasi*** Asche et Remane, 1983

– Asche and Remane 1983: 33 (Baghdad and Diyala Governorates)

***Euidopsis truncata*** Ribaut, 1948

– Asche 1982: 219 (Baghdad Governorate)

***Eurysa libira*** Remane et Asche, 1986

– Remane and Asche 1986: 261 (Duhok Governorate)

***Falcototya minuscula*** (Horváth, 1897)

– Abdul-Rassoul et al. 1978: 4 (Baghdad Governorate)

***Laodelphax striatellus*** (Fallén, 1826)

– Abdul-Rassoul et al. 1988: 7 (Baghdad Governorate)

***Metadelphax propinquus*** (Fieber, 1866)

– Dlabola 1952: 37 (Baghdad and Erbil Governorates)

***Perkinsiella dorsata*** (Melichar, 1905)

– Dlabola 1952: 30 (Baghdad Governorate)

***Sogatella vibix*** (Haupt, 1927)

– Dlabola 1952: 37 (Baghdad Governorate)

###### Tribe Tropidocephalini Muir, 1915

***Tropidocephala tuberipennis*** (Mulsant et Rey, 1855)

– Abdul-Rassoul et al. 1978: 4 (Baghdad Governorate)

##### Subfamily Kelisiinae Wagner, 1963

###### Tribe Kelisiini Wagner, 1963

***Kelisia ribauti*** Wagner, 1938

– Dlabola 1952: 37 (Baghdad and Erbil Governorates)

#### Family DICTYOPHARIDAE Spinola, 1839

##### Subfamily Dictyopharinae Spinola, 1839

###### Tribe Dictyopharini Spinola, 1839

***Dictyophara (Dictyophara) europaea*** (L., 1767)

– Dlabola 1952: 37 (Baghdad and Erbil Governorates)

***Dictyophara (Ancylocrius) tangigharuha*** Dlabola, 1957

– Dlabola 1957: 273 (Baghdad Governorate)

***Raivuna iracina*** (Dlabola, 1989)

– Dlabola 1989: 32 (Baghdad, Al Muthanna, Karbala, and Maysan Governorates)

***R. iranica*** (Linnavuori, 1962)

– Abdul-Rassoul et al. 1988: 7 (Baghdad Governorate)

***R. striata*** (Oshanin, 1879)

– China 1938: 434 (Baghdad Governorate)

#### Family CALISCELIDAE Amyot et Audinet-Serville, 1843

##### Subfamily Caliscelinae Amyot et Audinet-Serville, 1843

###### Tribe Caliscelini Amyot et Audinet-Serville, 1843

***Chirodisca astyages*** (Dlabola, 1982), new record

– Baghdad Governorate (recorded above)

##### Subfamily Ommatidiotinae Fieber, 1875

###### Tribe Adenissini Dlabola, 1980

###### Subtribe Adenissina Dlabola, 1980

***Perissana bispinata*** (Dlabola, 1980)

– Gnezdilov and Wilson 2006: 15 (Duhok Governorate)

###### Tribe Ommatidiotini Fieber, 1875

***Ommatidiotus iranicus*** Horváth, 1905, new record

– Nineveh/Duhok Governorates (recorded above)

#### Family ISSIDAE Spinola, 1839

##### Subfamily Hysteropterinae Melichar, 1906

###### Tribe Hysteropterini Melichar, 1906

***Libanissum trispinatum*** (Dlabola, 1985)

- Dlabola 1985a: 225 (Al Anbar Governorate)
- Mycterodus (Aegaeum) hakkaricus***  
Dlabola, 1980
- Gnezdilov 2011: 190 (Duhok Governorate)
- Tshurtshurnella lodosi*** Dlabola, 1979
- Gnezdilov 2011: 190 (Duhok Governorate)
- T. mesopotamica*** Dlabola, 1979
- Dlabola 1979: 272 (Erbil Governorate)

**Family FLATIDAE Spinola, 1839**

**Subfamily Flatinae Spinola, 1839**

**Tribe Phantiini Melichar, 1923**

- Phantia subquadrata*** (Herrich-Schäffer, 1838)
- Dlabola 1952: 37 (Erbil Governorate)

**Family TROPIDUCHIDAE Stål, 1866**

**Subfamily Tropiduchinae Stål, 1866**

**Tribe Trypetimorphini Fieber, 1872**

- Ommatissus binotatus*** Fieber, 1876
- Baghdad Governorate (recorded above)
- O. lybicus*** de Bergevin, 1930
- Hassan et al. 2003: 77 (Baghdad Governorate)
- Trypetimorpha occidentalis*** Huang et Bourgoïn, 1993, **new record**
- Duhok Governorate (recorded above)

**Family APHROPHORIDAE Amyot et Audinet-Serville, 1843**

**Subfamily Aphrophorinae Amyot et Audinet-Serville, 1843**

**Tribe Cloviini Schmidt, 1920**

- Lepyronia coleoptrata*** (L., 1758)
- Dlabola 1952: 37 (Erbil Governorate)

**Tribe Philaenini Metcalf, 1955**

- Philaenus spumarius*** (L., 1758)
- Dlabola 1952: 37 (Erbil Governorate)

**Family CERCOPIDAE Leach, 1815**

**Subfamily Cercopinae Leach, 1815**

**Tribe Cercopini Leach, 1815**

- Cercopis septemmaculata*** (Melichar, 1903)
- Abdul-Rassoul et al. 1988: 6 (Baghdad and Erbil Governorates)

**Family CICADIDAE Latreille, 1802**

**Subfamily Cicadinae Latreille, 1802**

**Tribe Cicadatrini Distant, 1905**

- Cicadatra alhageos*** (Kolenati, 1857)

- China 1938: 432 (as *Cicadatra ochreatea* Melichar; Baghdad Province)
- Abdul-Rassoul et al. 1988: 6 (Baghdad, Diyala, Duhok, Sulaymaniyah, and Al Anbar Governorates)
- C. hyalina*** (F., 1798)
- Abdul-Rassoul et al. 1988: 6 (Diyala, Duhok, and Sulaymaniyah Governorates)
- C. reinhardi*** Kartal, 1980
- Kartal 1980: 188 (Baghdad Governorate)
- Chloropsalta viridiflava*** (Distant, 1914)
- Abdul-Rassoul et al. 1988: 6 (Erbil and Al-Qadisiyah Governorates)
- Klapperichicen viridissimus*** (Walker, 1858)
- Walker 1858: 28 (Baghdad Governorate)

**Subfamily Cicadettinae Buckton, 1890**

**Tribe Cicadettini Buckton, 1890**

- Cicadetta frazeri*** (China, 1938)
- China 1938: 432 (Baghdad Governorate)
- Melampsalta musiva*** (Germar, 1830)
- China 1938: 432 (Baghdad Governorate)

**Family CICADELLIDAE Latreille, 1825**

**Subfamily Cicadellinae Latreille, 1825**

**Tribe Cicadellini Latreille, 1825**

- Cicadella viridis*** (L., 1758)
- Abdul-Rassoul et al. 1988: 7 (Erbil Governorate)
- Cofana spectra*** (Distant), **new record**
- Maysan Governorate (recorded above)

**Subfamily Megophthalminae Kirkaldy, 1906**

**Tribe Agalliini Kirkaldy, 1901**

**Subtribe Agalliina Kirkaldy, 1901**

- Austroagallia sinuata*** (Mulsant et Rey, 1855)
- Dlabola 1952: 37 (Baghdad Governorate)
- Anaceratagallia harrarensis*** (Melichar, 1911)
- Dlabola 1952: 37 (as *Agallia laevis* Ribaut; Baghdad Governorate)
- Dryodurgades* sp., new record**
- Ninawa Governorate (recorded above)
- Tribe Adelungiini Baker, 1915**
- Subtribe Adelungiina Baker, 1915**
- Platyproctus* sp., new record**
- Maysan and Diyala Governorates (recorded above)

**Subtribe Achrina Davis, 1975**

***Achrus albicosta* (Kusnezov), new record**

– Dhi Qar Governorate (recorded above)

***Zubara lycii* Al-Ne'amy et Linnavuori, 1982**

– Al-Ne'amy and Linnavuori 1982: 115

(Basra Governorate)

– Diyala and Dhi Qar Governorates (recorded above)

**Subtribe Peyerimhoffiina Al-Ne'amy et Linnavuori, 1982*****Peyerimhoffiola nitrariae* Al-Ne'amy et Linnavuori, 1982**

– Al-Ne'amy and Linnavuori 1982: 112 (Dhi Qar Governorate)

**Subfamily Eurymelinae Amyot et Audinet-Serville, 1843****Tribe Idiocerini Baker, 1915****Subtribe Idiocerina Baker, 1915*****Balcanocerus amygdalicolus* Dlabola, 1994, new record**

– Duhok Governorate (recorded above)

***B. stellatus* Gnezdilov et Özgen, 2021, new record**

– Duhok Governorate (recorded above)

***Hespericerus alkani* (Wagner, 1958), new record**

– Duhok Governorate (recorded above)

***H. brusinae* (Horváth, 1895), new record**

– Duhok Governorate (recorded above)

***Stenidiocerus poecilus* (Herrich-Schäffer, 1835)**

– Dlabola 1952: 37 (Erbil Governorate)

**Subfamily Ulopiinae La Peletier et Audinet-Serville, 1825****Tribe Ulopiini La Peletier et Audinet-Serville, 1825*****Utecha trivialis elbursica* (Dlabola, 1979), new record**

– Duhok Governorate (recorded above)

**Subfamily Iassinae Walker, 1870****Tribe Batracomorhini Krishnankutty, Dietrich et Siddappaji, 2016*****Batracomorpha signatus* Lindberg, 1923**

– Abdul-Rassoul 1978: 2 (Baghdad Governorate)

**Subfamily Deltocephalinae Dallas, 1870****Tribe Deltocephalini Dallas, 1870*****Maiestas schmidtgeni* (Wagner, 1939)**

– Dlabola 1952: 37 (Baghdad Governorate)

**Tribe Cicadulini Van Duzee, 1892*****Cicadula (Cicadula) lineatopunctata***

(Matsumura, 1908)

– Abdul-Rassoul et al. 1978: 2 (as *Cicadula divaricata* Ribaut, 1952; Baghdad Governorate)***Cicadulina bipunctata* (Melichar, 1904)**

– Abdul-Rassoul et al. 1978: 2 (Baghdad Governorate)

***Mocydiopsis monticola* Remane, 1961**

– Remane 1961: 108 (Duhok Province)

**Tribe Paralimnini Distant, 1908****Subtribe Paralimnina Distant, 1908*****Jassargus (Pontojargus) kurdicus* Remane et Schulz, 1976**

– Schulz 1976: 94 (Duhok Governorate)

***Paralimnellus cingulatus* (Dlabola, 1960)**

– Dlabola 1960: 2 (Baghdad Governorate)

***Psammotettix striatus* (L., 1758)**

– Dlabola 1952: 37 (Baghdad and Erbil Governorates)

**Subtribe Aglenina Dmitriev, 2004*****Aglena ornata* (Herrich-Schäffer, 1838)**

– Duhok Governorate (recorded above)

**Tribe Stegelytrini Baker, 1915*****Stegelytra neveosparsa* (Ghauri, 1972)**

– Ghauri 1972a: 207 (Duhok and Sulaymaniyah Governorates)

**Tribe Scaphoideini Oman, 1943*****Anoplotettix kurdicus* Remane, 1966**

– Remane 1966: 181 (Duhok Governorate)

***Neolimnus aegyptiacus* Matsumura, 1908**

– Abdul-Rassoul et al. 1978: 3 (Baghdad Governorate)

**Tribe Hecalini Distant, 1908****Subtribe Hecalina Distant, 1908*****Hecalus glaucescens* (Fieber, 1866)**

– Dlabola 1952: 37 (Baghdad Governorate)

**Tribe Eupelicini Sahlberg, 1871****Subtribe Eupelicina Sahlberg, 1871*****Eupelix cuspidata* (Fabricius, 1775)**

– Dlabola 1952: 37 (Baghdad Governorate)

– Nineveh/Duhok, Diyala, and Wasit Governorates (recorded above)

**Subtribe Paradorydiina Evans, 1936*****Paradorydium breviceps* (Melichar, 1902), new record**

– Maysan and Diyala Governorates (recorded above)



**Tribe Macrostelini Kirkaldy, 1906***Balclutha frontalis* (Ferrari, 1882)– Abdul-Rassoul et al. 1978: 2 (as *Balclutha hebe* Kirkaldy, 1906; Baghdad Governorate)*B. incisa* (Matsumura, 1902)– Dlabola 1952: 37 (Baghdad Governorate)  
– Al-Rubai and Al-Azawi 1999: 66 (Baghdad Governorate)*B. rubrostriata* (Melichar, 1903)

– Abdul-Rassoul et al. 1978: 2 (Baghdad Governorate)

*Macrosteles laevis* Ribaut, 1927

– Abdul-Rassoul et al. 1978: 3 (Baghdad Governorate)

*M. oculatus* Dlabola, 1952

– Dlabola 1952: 35 (Baghdad Governorate)

*M. quadripunctulatus* (Kirschbaum, 1868)

– Dlabola 1952: 37 (Baghdad Governorate)

**Tribe Chiasmini Distant, 1908***Aconura impicta* (Linnavuori, 1962)

– Dlabola 1972: 233 (Baghdad Governorate)

*Aconurella prolixa* (Lethierry, 1855)

– Dlabola 1952: 33 (Baghdad Governorate)

*Chiasmus conspurcatus* (Perris, 1857)– Dlabola 1952: 37 (Baghdad Governorate)  
– Diyala and Al Anbar Governorates (recorded above)*Doratura (Doraturina) homophyla* (Flor, 1861)

– Dlabola 1952: 37 (Baghdad Governorate)

*Exitianus capicola* (Stål, 1855)– Dlabola 1952: 37 (Baghdad Governorate)  
– Abdul-Rassoul et al. 1978: 3 (Babylon Governorate)*E. nanus* (Distant, 1908)– China 1927: 189 (Basra Governorate)  
– Baghdad Governorate (recorded above)*E. plebejus* (Kirkaldy, 1906), **new record**

– Baghdad Governorate (recorded above)

**Tribe Phlepsiini Zahniser et Dietrich, 2013***Phlepsius evinus* Dlabola, 1974, **new record**

– Diyala Governorate (recorded above)

*Ph. intricatus* (Herrich-Schäffer, 1838)– Dlabola 1952: 37 (Baghdad Governorate)  
– Diyala and Duhok Governorates (recorded above)**Tribe Stenometopiini Baker, 1923***Stirellus pallifrons* (Horváth, 1897)– Dlabola 1952: 33 (as *Aconura acuticeps* Ribaut, 1948; Baghdad Governorate)**Tribe Athysanini Van Duzee, 1892***Artianus interstitialis* (Germar, 1821), **new record**

– Duhok Governorate (recorded above)

*Euscelis alsioides* Remane, 1967

– Remane 1967: 10 (Duhok Governorate)

*E. distinguendus* (Kirschbaum, 1868)

– Dlabola 1952: 37 (Baghdad Governorate)

*Euscelidius mundus* (Haupt, 1927)– Dlabola 1957: 283 (as *Euscelidius orientalis* Dlabola, 1957; Baghdad Governorate)*E. schenckii* (Kirschbaum, 1868)

– Dlabola 1952: 37 (Erbil Governorate)

*Platymetopius (Platymetopius)**cruentatus* Haupt, 1927

– Dlabola 1952: 35 (Baghdad Governorate)

**Tribe Fieberiellini Wagner, 1951***Fieberiella gemelina* Dlabola, 1965

– Dlabola 1965: 435 (Erbil Governorate)

– Meyer-Arndt 1991: 66 (Duhok Governorate)

**Tribe Selenocephalini Fieber, 1872***Selenocephalus kalalae* Dlabola, 1952

– Dlabola 1952: 36 (Erbil Governorate)

**Tribe Opsiini Emeljanov, 1962****Subtribe Opsiina Emeljanov, 1962***Masiripius lugubris* (Distant, 1918), **new record**

– Al Anbar, Diyala, and Saladin Governorates (recorded above)

*Opsius heydeni* (Lethierry, 1876)

– Dlabola 1952: 37 (Baghdad Governorate)

*O. jucundus* (Lethierry, 1874)

– Dlabola 1952: 37 (Baghdad Governorate)

*O. versicolor* (Distant, 1908), **new record**

– Al Anbar, Baghdad, Duhok, Dhi Qar, and Saladin Governorates (recorded above)

*Orosius albicinctus* Distant, 1918

– Dlabola 1952: 33 (Baghdad Governorate)

– Al Anbar, Basra, Diyala, Duhok, Dhi Qar, and Saladin Governorates (recorded above)

*Oshaibahus linnavuori* El-Sonbati et Wilson, 2017

– El-Sonbati et al. 2017: 18 (Al Muthanna and Najaf Governorates)

*Paraorosius hanii* El-Sonbati et Wilson, 2016

– El-Sonbati et al. 2016: 589 (Najaf Governorate)

*P. minuicus* (Dlabola, 1979)

– El-Sonbati et al. 2016: 583 (Basra, Al Muthanna, and Najaf Governorates)

**Subtribe Circuliferina Emeljanov, 1962**

*Concavifer marmoratus* Dlabola, 1960

– Abdul-Rassoul et al. 1988: 7 (Diyala Governorate)

*Neoaliturus (Neoaliturus) translucens* Tishechkin, 2021, **new record**

– Baghdad, Diyala, Duhok/Nineveh, and Saladin Governorates (recorded above)

*Neoaliturus (Circulifer) haematoceps* (Mulsant et Rey, 1855)

– Dlabola 1952: 37 (Baghdad Governorate)

**Tribe Goniagnathini Wagner, 1951**

*Goniagnathus (Goniagnathus) dursoicus* Dlabola, 1994, **new record**

– Baghdad Governorate (recorded above)

*Goniagnathus (Goniozygotes) bolivari* (Melichar, 1907), **new record**

– Duhok Governorate (recorded above)

*Goniagnathus (Epistagma) guttulinervis* (Kirschbaum, 1868)

– Dlabola 1952: 36 (Baghdad Governorate)

– Al Anbar and Diyala Governorates (recorded above)

*Raunothus leopardinus* Dlabola, 1987

– Dlabola 1987: 8 (Al Anbar, Dhi Qar, and Kirkuk Governorates)

*Tamaricades* cf. *maculatus* (Emeljanov, 1962), **new record**

– Diyala, Saladin, and Wasit Governorates (recorded above)

**Tribe Vartini Zahniser et Dietrich, 2013**

*Varta rubrostriata* (Horváth, 1907), **new record**

– Baghdad and Duhok Governorates (recorded above)

**Subfamily Typhlocybae Kirschbaum, 1868**

**Tribe Erythroneurini Young, 1952**

*Arboridia (Arboridia) amali* Al-Asady, 1999

– Al-Asady 1999: 41 (Baghdad and Diyala Governorates)

*A. (A.) kermanshah* (Dlabola, 1963)

– Ghauri 1964: 381 (as *Zygina hussaini*; Baghdad, Basra, and Duhok Governorates)

– Abdul-Rassoul et al. 1978: 3 (Baghdad Governorate)

*A. (A.) kurdistani* Al-Asady, Amin et Younis, 2014

– Al-Asady et al. 2014: 83 (Erbil Governorate)

*Helionidia biplagiata* (Haupt, 1927)

– Dlabola 1952: 32 (as *Erythroneura acutistyla* Dlabola, 1952; Baghdad Governorate)

**Tribe Empoascini Distant, 1908**

*Asymmetrasca decedens* (Paoli, 1932)

– Dlabola 1952: 37 (Baghdad and Erbil Governorates)

– Ghauri 1979: 354 (Nineveh Governorate)

*Empoasca (Empoasca) decipiens* Paoli, 1930

– Dlabola 1952: 37 (Baghdad Governorate)

– Ghauri 1979: 354 (Nineveh Governorate)

*E. (E.) punjabensis* Singh-Pruthi, 1940

– Abdul-Rassoul et al. 1978: 2 (as *Empoasca meridiana* Zachvatkin, 1946; Baghdad Governorate)