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Notes on some *Auchenorrhyncha* (Homoptera), 6-10¹

Abstract. *Flata pallens* GERM. is synonymized with *Pentastiridius leporinus* (L.). *Delphax lineata* GERM. is treated as identical with *Euides speciosa* (BOH.). *Liburnia guaramensis* SCOTT is synonymized with *Scottianella dalei* (SCOTT). Validity of names of two *Balclutha* KIRK. species is discussed. Moreover, new distributional data concerning some *Auchenorrhyncha* species in Europe are listed.

6. Remarks on *Flata pallens* GERM. (Cixiidae)

Flata pallens belongs to rather obscure Palaearctic cixiids. It was described by GERMAR in 1821 from Crimea (Tauria = Crimea and not Taurus Mts. in Anatolia, as it was erroneously listed in METCALF's catalogue, 1936), and not found there and in the whole Ukraine since that. LOGVINENKO who reported the occurrence of *pallens* in Ukraine in early papers, ignored it completely in her monograph of Ukrainian *Pulgoroidea* (1975). It was DLABOLA (1960) who as the first author published the male genitalia of a species that he considered to be *pallens*, after specimens coming from Iran. The species in such an interpretation seems to be very widely distributed in the Near East and North Africa, but its occurrence on the continent of Europe, though possible, has not been confirmed on the ground of male genitalia. I believe that it is very possible that the type specimen described by GERMAR was in fact a pale female of *Pentastiridius leporinus* (L.), similarly as it was the case with *Flata pallidus* H.-S. The species *pallens* was originally described as having five carinae on mesonotum, and the forewings opaque-yellowish ("trüb-gelblichweiss"). Such a coloration is characteristic in some females of *Pentastiridius leporinus* (L.).

¹ Cf.: Ann. Zool., Warszawa, 37, 1984: 391-398.

If the above supposition is right then the synonymy of *leporinus* would be as follows:

Pentastiridius leporinus (L.)

Cicada leporina LINNAEUS, 1761.

Flata pallens GERMAR, 1821, syn. n.

Flata pallidus HERRICH-SCHÄFFER, 1835. (Synonymy by SAHLBERG, 1871).

Oliarus pallens: auct., part.

On the other hand, the species illustrated by DLABOLA (1960) was as early as in 1954 identified as *Oliarus suzezensis* MATS. and illustrated by WAGNER. MITJAEV (1971) reported it from Kazakhstan and illustrated under the name *Oliarus pallens*. LINNAVUORI (1962) referred to it *Oliarus modestus* HPT. described from Israel, and DLABOLA (1963) put *Oliarus stenocephalus* HPT. described from Uzbekistan as its synonym. The synonymy of the second species is:

Pentastiridius suzezensis (MATS.)

Oliarus suzezensis MATSUMURA, 1910.

Oliarus stenocephalus HAUPT, 1917. (Synonymy by DLABOLA 1963).

Oliarus modestus HAUPT, 1927. (Synonymy by LINNAVUORI 1962).

Oliarus suzezensis: WAGNER, 1954, p. 211, fig. 1-6.

Oliarus pallens: DLABOLA, 1960, p. 2, pl. 1, fig. 1-4 [nec GERMAR.]

Oliarus pallens: MITJAEV, 1971, fig. 7 (4, 5) [nec GERMAR].

Oliarus pallens: auct., part [nec GERMAR].

7. On the identity of *Delphax basilinea* GERM. (*Delphacidae*)

The species *Delphax basilinea* was first described by GERMAR in 1821 from Crimea (Tauria = Crimea!). The comparatively detailed description was in a very short form repeated by the same author in 1830. There is no room for doubt that GERMAR in 1830 merely redescribed the same species (he even referred to his own paper of 1821). It was exactly the same species as described by BOHEMAN from Sweden in 1845 under the name *Delphax speciosa*. The synonymy is the following:

Euides basilinea (GERM.)

Delphax basilinea GERMAR, 1821.

Delphax basilinea: GERMAR, 1830.

Delphax speciosa BOHEMAN, 1845.

Delphax asiracoides FOREL, 1858.

The figure of fore wing published by MELICHAR (1896, pl. 4, fig. 29) of a species he claimed to be *basilinea*, apparently belonged to a quite different one, probably to a macropterous *Megamelodes*. The species is widely distributed in north, central and east Europe and reaches Kazakhstan and Azerbaijan in Asia.

The record from Japan (MOCHIDA, OKADA 1971) probably referred to another species.

8. On *Scottianella dalei* (SCOTT) (*Delphacidae*)

I was able to investigate 2 males of "*Liburnia guaramanensis*" from the Moravian Museum (Brno) labelled: "Hispan. [ia]; Pozuelo", and "Typ. [isches] Exempl. [ar]"; "Dr. L. MELICHAR". They evidently were not types, but apparently specimens compared with type or being examples of the species. Such indications of specimens being not types but provided with red labels with inscription "type" are comparatively numerous in the collection of MELICHAR. Both specimens agree with the description of *Liburnia guaramanensis* SCOTT and belong to *Scottianella dalei* (SCOTT) described from England. The specific name *guaramanensis* was regarded by PUTON (1875) and subsequent authors as being formed incorrectly, but there is no evidence that it was the fact, since the mountains Sierra de Guadarrama are situated north of Madrid, and *Liburnia guaramanensis* was originally described from near Linares in Andalusia. The synonymy of the species in question is:

Scottianella dalei (SCOTT, 1870)

Liburnia dalei SCOTT, 1870.

Liburnia guaramanensis SCOTT, 1873, *syn. n.*

Delphax guarramensis [sic!]: PUTON, 1875 and subsequent authors.

Delphacodes gravesteini DLABOLA, 1971 (synonymy by ANUFRIEV, 1980).

S. dalei was hitherto known from England, France, Italy and Portugal.

9. Valid names and synonyms of two *Balclutha* KIRK. species (*Cicadellidae*)

The action by BLOCKER (1967) who designated a neotype of *Cicada punctata* FABRICIUS, 1775, caused a serious confusion. BLOCKER — not regarding the common interpretation of *Cicada punctata* F. by European homopterologists — selected, as the neotype, a specimen coming from Rügen (German D. R.), hitherto considered as *Balclutha rhenana* WAGNER, 1939, thus put the latter name as synonym of the former. There remains a question of the valid name of the species previously named *Balclutha punctata* by several authors. HAMILTON (1983) admitted that it should be *Gnathodus punctatus* var. *confluens* REY, 1894, described from France; nevertheless there are earlier names which should be taken into consideration.

The first of them is *Cicada punctata* THUNBERG, described in 1784 from Sweden (Lund) and France (Paris). Since the last name was preoccupied by *Cicada punctata* F., it was changed by GMELIN (1790) into *Cicada tricolor* (descrip-

tion by GMELIN was a simple repetition of the first part of the description in THUNBERG). The next, *Eupteryx clypeata* CURTIS, 1837, described from England is an obscure species which was treated by some older authors as synonym of *punctata*, but completely omitted in the recent catalogue of British *Auchenorrhyncha* (LE QUESNE & PAYNE, 1981). The third name which could be the valid name for the species in question is *Cicadula spreta* ZETTERSTEDT, 1838, described from Lapland (Thynaes and Wilhelmina), the types of which are preserved in the Entomological Museum in Lund (Sweden) and were revised by OSSIANNILSSON in 1938.

OSSIANNILSSON (1983) considered both *punctata* THUNBG. (that is *tricolor* GMEL.) and *spreta* ZETT. as being synonyms of *punctata* (but *punctata* in his interpretation — cf. Figs. 1974–1978 — and not of BLOCKER!). Therefore, *Cicada tricolor* GMELIN should be accepted as valid name for *Balclutha punctata* auct., nec BLOCKER, and the synonymy of both species in question runs as follows:

Balclutha punctata (F.)

Cicada punctata FABRICIUS, 1775 [as defined by the neotype designated in 1967 by BLOCKER].

Typhlocyba rosea PROVANCHER, 1872.

Typhlocyba jocosus PROVANCHER, 1890.

Balclutha punctata: auct., part.

Balclutha californica DAVIDSON & DELONG, 1935.

Balclutha rhenana WAGNER, 1939.

Balclutha punctata punctata: BLOCKER, 1967.

Balclutha rhenana: OSSIANNILSSON, 1983.

Balclutha tricolor (GMEL.)

Cicada punctata THUNBERG, 1784 [preoccupied].

Cicada tricolor GMELIN, 1790 [substitute name for *C. punctata* THUNBERG].

Cicadula spreta ZETTERSTEDT, 1838.

Gnathodus punctatus var. *confluens* REY, 1894.

Gnathodus punctatus var. *impunctatus* REY, 1894.

Balclutha punctata: WAGNER, 1939.

Balclutha punctata: auct., part.

Balclutha punctata var. *taunica* WAGNER, 1939.

Balclutha punctata var. *langi* DLABOLA, 1944.

Balclutha punctata var. *sagittaria* RIBAUT, 1952.

Balclutha punctata patula BLOCKER, 1967, syn. n.

Balclutha punctata: OSSIANNILSSON, 1983.

The above synonymy is somewhat different from that quoted by HAMILTON (1983). Some species should be treated as distinct. *Cicadula spreta* ZETT. was described from localities lying far in the North, so it cannot be referred to *B. punctata* (F.) sensu HAMILTON because the last species seems not to overstep the line of 60°N. (*B. tricolor* is distributed in Europe up to 68°N).

10. New faunistic records from Europe

In connection with a planned catalogue of European *Auchenorrhyncha*, the present author gives some faunistic data which widen our knowledge of species distribution.

*Cixiidae**Cixius wagneri* CHINA

Bulgaria: vicinity of Varna, 12.10.1954, 1 ♂ (R. BIELAWSKI); Harmanli, 31.5.1956, Sandanski, 23.6.1956, 1 ♂, 3 ♀♀ (R. BIELAWSKI & A. GOLJAN). This is a distinct species not a subspecies of *C. pallipes* FIEB. with which it has often been confused. Described in Greece and recorded in Europe from France, Italy, s. Russia, Ukraine (here erroneously the name *C. intermedius*), Yugoslavia and probably from Spain, Hungary and Romania

Cixius dubius WAGN.

Hungary: Sator Mts., Istvánkút, alt. 700 m, 30.5.1957, in a deciduous forest, 2 ♂♂, 2 ♀♀. (BURAKOWSKI). The distribution of this apparently montane and submontane species is little known; it was recorded from Belgium, German D. R., Poland, Czechoslovakia, Austria, Yugoslavia and n. Italy.

Reptalus panzeri (P. LÖW)

Albania: Tirana, 10.6.1952, 1 ♂; 20.6.1952, 1 ♂; Vlora, 16.6.1952, 1 ♂ (J. NAST).

Myndus musivus (GERM.)

Albania: Berat, 14.6. 1952, 1 ♂, 2 ♀♀ (J. NAST).

*Delphacidae**Kelisia pannonica* MATS.

Bulgaria: Topolite near Varna, 15.10.1954, 2 ♂♂, 2 ♀♀ (R. BIELAWSKI).

Kelisia perrieri RIB.

Albania: Vlora, 15.6.1952, 1 ♂ (J. NAST).

Stenocranus major (KBM.)

Albania: Berat, 12.6.1952, 1 ♀ (J. NAST).

Ditropis pteridis (SPIN.)

Greece, Crete, Hagya near Chania, 25.8.1959, 1 ♂, 1 ♀ (brach.) (A. RIEDEL).

Pastirosa clypeata (HORV.)

Bulgaria: Burgas, 18.8.1959, 14 ♀♀ (brach.) (B. BURAKOWSKI).

Metropis inermis WAGN.

Bulgaria: Mt. Vitosha, Bojana, 21.5.1959, 1 ♂, 1 ♀; Mt. Vitosha, Momina Skala, alt. 1500 m, 22.5.1959, 1 ♂; Rila Mts., alt. 1700–1800 m, 10.8.1959, 1 ♂ (R. BIELAWSKI). Hungary: distr. Esztergom, Dobogókő, 31.5.1952, 2 ♂♂ (J. NAST). Recorded from Hungary by REMANE (1961) with no locality mentioned.

Ewidés basilinea (GERM). (Concerning the name see above, p. 298).

Albania: Durrës, 22.6.1952, 1 ♂ (J. NAST).

Megadelphax haglundii (J. SHLB.)

Austria: Burgenland, Oberweiden, 21.8.1960, 2 ♂♂ (brach.) (J. NAST).

Muellerianella extrusa (SCOTT)

Poland: Prov. Nowy Sącz, Przydonica, 30.7.1902, 4 ♂♂ (brach.) (S. SMRECZYŃSKI); Białowieża National Park, 17. 7. 1950, 1 ♂ (brach.); 10.8.1957, 1 ♂ (brach.) (S. NOWAKOWSKI)

Muirodelphax aubei (PERR.)

Romania: Finatele Clujului, 10.7.1956, 3 ♂♂, 3 ♀♀ (macr.), 1 ♂ (brach.); Hoia near Cluj, 13.7.1956, 1 ♂ (brach.), 2 ♀♀ (macr.) (B. KIS); Spain, Pozuelo, 1 ♂ (determined by MELICHAR as *Liburnia protrusa* FIEB. (Mus. Brno).

Flastena fumipennis (FIEB.)

Spain: Villa Rutis (BOLIVAR), 16 ♂♂ (brach.) (Mus. Brno).

Javesella dubia (KBM.)

Spain: Pozuelo, 1 ♂ (Museum Brno, determined by MELICHAR as *Liburnia paryphasma*); Albania: Berat, 14.6.1952, 1 ♂, 1 ♀ (J. NAST).

Euidopsis truncata RIB.

Albania: Durrës, 22.6.1952, 1 ♀ (J. NAST).

*Meenoplidae**Meenoplus albosignatus* FIEB.

Bulgaria: distr. Vraca, Lakatnik, 4.8.1957, 1 ♀ (W. BAZYLUK).

*Dictyopharidae**Callodictya krueperi* (FIEB.)

Bulgaria: distr. Kardžali, Momčilgrad, 30.7.1957, 1 ♀ (W. BAZYLUK); Podkova, 17.10.1963, 1 ♂ (R. BIELAWSKI); distr. Blagoevgrad, Petrič, 1 ♀; 5. 8. 1959, 2 ♂♂, 1 ♀, 1 nymph (B. BURAKOWSKI).

Caliscelis bonellii (LATR.)

Albania: Tirana, Berat, Vlora, Lakatund, 3-23.6.1952, numerous ♂♂ and ♀♀ (J. NAST)

Agalmatium bilobum (FIEB.)

Romania: Agiea near Constanța, 10.7.1957, 1 ♂ (B. PISARSKI).

Issus coleoptratus (F.)

Albania: Tirana, 9.6.1952, 1 ♀ (J. NAST).

*Flatidae**Phantia subquadrata* (H.-S.)

Bulgaria: Galata near Varna, 15.10.1954, 5 ♂♂, 1 ♀ (R. BIELAWSKI); Sv. Konstantin near Varna, 11.8.1950, 1 ♂ (A. GOLJAN).

*Cicadellidae**Megophthalmus scabripennis* EDW.

Bulgaria: Kardžali, 29.5.1956, 1 ♂, 1 ♀; Balčik, 12.6.1956, 1 ♀ (R. BIELAWSKI & A. GOLJAN); Galata near Varna, 15.10.1954, sea shore, 1 ♀ (R. BIELAWSKI).

Macropsis viridinervis WAGN.

Poland: Prov. Zamość, Hrebenne, 16.6.1966, 7 ♂♂, 10 ♀♀ (I. DWORAKOWSKA).

Agallia consobrina CURT.

Albania: distr. Berat, Novi, alt. 1100 m, 13.6.1952, 1 ♂ (J. NAST); Bulgaria: Sandanski, 23.6.1956, 2 ♂♂ (R. BIELAWSKI & A. GOLJAN).

Anaceratagallia venosa (FALL.)

Bulgaria: Klisura, alt. 850 m, 13.6.1956, 2 ♂♂; Klisura, alt. 1500 m, 14.6.1956, 3 ♂♂; Velingrad, 17.6.1956, 1 ♂ (R. BIELAWSKI & A. GOLJAN).

Balcanocerus balcanicus (HORV.)

Bulgaria: Strelowa near Panagiurište, alt. 800 m, 27. 10. 1954, 1 ♀; distr. Kardžali, Momčilgrad, 18.10.1963, 1 ♀ (R. BIELAWSKI); Gramatikovo, 20.8.1959, 1 ♀ (B. BURAKOWSKI).

Balcanocerus pruni (RIB.)

Yugoslavia: Dalmatia, Zadar (on the label: Zara), 1891, 1 ♂ (Mus. Budapest).

Idiocerus stigmatalis LEW.

Albania: Tirana, 22.6.1952, *Salix*, 1 ♂ (J. NAST).

Idiocerus vicinus MEL.

Bulgaria: distr. Kardžali, Podkova, 17.10. 1963, 1 ♂; Hvojna near Asenovgrad, 26. 10. 1954, 1 ♂ (R. BIELAWSKI).

Tremulicerus mesopyrrhus (KBM.)

Bulgaria: Hvojna near Asenovgrad, 26.10. 1954, 1 ♂, 1 ♀; Rodopi, Smoljan, alt. 1000 m, 22.10.1963, 1 ♂, 1 ♀ (R. BIELAWSKI).

Viridicerus ustulatus (M., R.)

Albania: Tirana, 10.6.1952, 2 ♀♀ (J. NAST).

Evacanthus acuminatus (F.)

Albania: distr. Berat, Bogova, 14.6. 1952, 3 ♂♂; Berat, 14.6.1952, 1 ♂ (J. NAST).

Alebra coryli LE Q.

Poland: Prov. Lublin, Bochotnica, and Prov. Zamość, Kosobudy, July–August, some specimens taken from *Corylus* by I. DWORAKOWSKA. The species is known to occur in England, the Canal Is., Netherlands and Switzerland.

Chlorita mendax (RIB.)

Poland: Prov. Zamość, Kosobudy, 11.8.1966, 1 ♂ (I. DWORAKOWSKA). Till present known to occur only in France, n. Italy and Slovakia.

Edwardsiana staminata (RIB.)

Poland: Prov. Bialystok, Białowieża, 13.8.1949, *Corylus*, 1 ♂ (J. NAST).

Arboridia ribauti (OSS.)

Poland: Prov. Zamość, Łabunie, 8.10.1967, 1 ♂; Grodysławice, 30.9.1967, 1 ♂. Both collected from *Carpinus* by I. DWORAKOWSKA. Widely distributed in Europe, often confused with *A. parvula* (BOH.).

Allygus communis (FERR.)

Poland: Prov. Poznań, Jezioro, 15.6.1953, 1 ♂ (Z. HARASYMOWICZ); Great Britain: London, Richmond Park, 2.7.1949, 1 ♂ (J. NAST); Yugoslavia: Jablanica on Neretva,

1957, 1 ♂ (R. BIELAWSKI); Bulgaria: Sandanski, 23.6.1956, 1 ♂ (R. BIELAWSKI & A. GELTAN).

Allygidius mayri (KBM.)

Poland: Prov. Zamość, Łabunie, 17.7.1966, 1 ♀ (I. DWORAKOWSKA).

Artianus manderstjernii (KBM.)

Albania: Tirana, Berat, Vlora and Lakatund, 3.6-23.6.1952, numerous ♂♂ and ♀♀ (J. NAST).

Cicadula ornata (MEL.)

Poland: Prov. Gdańsk, Bielawskie Błota, raised peat-bog, 23.9. 1955, 1 ♀ (R. BIELAWSKI).

Fieberiella bohémica DLAB.

Poland: Warszawa-Bielany, 5.8.1959, 1 ♂ (E. KIERYCH).

Paramesodes lucaniae (DLAB.)

Albania: Tirana, 8.6.1952, 1 ♂, 1 ♀ (J. NAST).

According to WILSON (1983) *P. lucaniae* is a distinct species and not synonym of *P. lieaticollis* (DIST.)

Paramesus major HPT.

Bulgaria: Burgas. Atanasovsko Lake, 3.6.1959, numerous ♂♂ and ♀♀ (R. BIELAWSKI).

Paramesus paludosus RIB.

Bulgaria: Burgas, Atanasovsko Lake, 3.6.1959, 1 ♂ (R. BIELAWSKI).

Stymphalus rubrolineatus (STÅL)

Albania: Tirana, 8.6.1952, 1 ♂; Durrësi, 22.6.1952, 2 ♀♀ (J. NAST).

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STRESZCZENIE

[Tytuł: Uwagi o niektórych *Auchenorrhyncha* (Homoptera), 6-10]

Zsynonimizowano *Flata pallens* GERM. z *Pentastiridius leporinus* (L.); gatunek wykazywany pod niewłaściwą nazwą *Pentastiridius pallens* odniesiono do *Pentastiridius suzensis* (MATS.). *Delphax basilinea* GERM. okazał się identyczny z *Euides speciosa* ВОИ. *Liburnia guaramensis* SCOTT zsynonimizowano z *Scottianella dalei* (SCOTT). Nadto w pracy omówiono sprawę nazwy obowiązującej dla typowego gatunku rodzaju *Balclutha* KIRK. oraz podano nowe stanowiska niektórych europejskich gatunków *Auchenorrhyncha*, w tej liczbie 10 gatunków nowych dla fauny Polski.

РЕЗЮМЕ

[Заглавие: Замечания о некоторых *Auchenorrhyncha* (Homoptera), 6-10]

Синонимизирован *Flata pallens* GERM. с *Pentastiridius leporinus* (L.); вид, известный под ошибочным названием *Pentastiridius pallens* отнесен к *Pentastiridius suzensis* (MATS.). *Delphax basilinea* GERM. оказался идентичным с *Euides speciosa* ВОИ. *Liburnia guaramensis* SCOTT. синонимизирован с *Scottianella dalei* (SCOTT). В работе обсужден вопрос действительного названия для типowego вида рода *Balclutha* KIRK. Приведены новые местонахождения для некоторых европейских видов *Auchenorrhyncha*, в том числе 10 видов новых для фауны Польши.