

**New synonymy and homonymy replacement
for *Conosimus caucasicus* Melichar, 1914
(Hemiptera: Fulgoroidea: Issidae)**

Vladimir M. GNEZDILOV¹⁾ & Igor MALENOVSKÝ²⁾

¹⁾Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, 199034 St.Petersburg, Russia;
e-mail: vmgnezdilov@mail.ru, hemipt@zin.ru

²⁾Department of Entomology, Moravian Museum, Hviezdoslavova 29a, CZ-627 00 Brno, Czech Republic;
e-mail: imalenovsky@mzm.cz

Abstract. Based upon the study of the type specimens, *Conosimus goricus* Dlabola, 1958 is placed in synonymy under *Conosimus caucasicus* Melichar, 1914. *Mycterodus (Aconosimus) caucasicus* (Melichar, 1914) comb. nov. is rejected as a junior secondary homonym of *Mycterodus (Comporodus) caucasicus* (Melichar, 1906) (originally described in *Issus* Fabricius, 1803) and *Mycterodus (Aconosimus) goricus* (Dlabola, 1958) is proposed as the valid replacement name. The lectotype is designated for *Conosimus caucasicus* Melichar, 1914. The corrected authorship of the genus-group name is *Aconosimus* Dlabola, 1987.

Key words. *Mycterodus*, *Aconosimus*, *Comporodus*, nomenclature, lectotype, new synonym, secondary homonym replacement

MELICHAR (1906) described *Issus caucasicus* Melichar, 1906 from Georgia. EMELJANOV (1971), in the frame of his revision of the generic system of the family Issidae, transferred *I. caucasicus* to the genus *Mycterodus* Spinola, 1839. LOGVINENKO (1974) redescribed this species and placed it in the new subgenus *Comporodus* of the genus *Mycterodus*. LOGVINENKO (1974) gave a diagnosis of *Comporodus*, but did not fix the type species, which was done subsequently by KOČAK (1982) who thus made Logvinenko's name available and is the author of *Comporodus*.

MELICHAR (1914) described another species from the Caucasus – *Conosimus caucasicus* Melichar, 1914 based on specimens from Azerbaidzhan (Baku Region) and Georgia (Tbilisi). We have examined syntypes of *C. caucasicus* and some other material from Tbilisi not included in the type series (see material examined) and the type series of *Conosimus goricus* Dlabola, 1958, described also from Georgia (DLABOLA 1958). We arrived at a conclusion that these are conspecific, *C. goricus* being the junior synonym of *C. caucasicus*.

DLABOLA (1983) erected a new genus-group name *Aconosimus* as a nomen novum [sic!] for a subgenus of *Mycterodus* to accommodate the species erroneously treated in *Conosimus* Mulsant & Rey, 1855 by DLABOLA (1958) and LOGVINENKO (1974). DLABOLA (1983) accompanied *Aconosimus* with a short diagnosis and a list of included species, however, he did not fix the type species. This name thus remained unavailable (ICZN 1999: Art. 13.3). Subsequently, DLABOLA (1987) listed '*Aconosimus* Dlabola, 1983' and designated *Conosimus goricus* as the type species, with a bibliographic reference within the nominal-complex of scientific name, i.e., the association [nomen + author + date] (see DUBOIS 2008). We consider this act sufficient according to ICZN (1999: Art. 13.1.2) and the name available as *Aconosimus* Dlabola, 1987. DLABOLA (1987, 1997) upgraded *Aconosimus* and *Comporodus* to generic rank. Recently, GNEZDILOV (2002, 2003) has again downgraded both taxa to the subgenera of *Mycterodus* based on morphological characters including the structure of male and female genitalia.

In consequence, the combination *Mycterodus (Aconosimus) caucasicus* (Melichar, 1914) becomes now a secondary junior homonym of *Mycterodus (Comporodus) caucasicus* (Melichar, 1906) and an invalid name according to ICZN (1999: Art. 57.3). Following ICZN (1999: Art. 60.2), we propose the only available synonym *Mycterodus (Aconosimus) goricus* (Dlabola, 1958) as the valid replacement name for *M. (A.) caucasicus* (Melichar, 1914) to replace this secondary homonymy.

To stabilize the nomenclature in the group (ICZN 1999: Art. 74), we designate here the lectotype for *Conosimus caucasicus* Melichar, 1914 from Melichar's personal collection deposited in the Moravian Museum, Brno.

The abbreviations for the depositories of the material:

MMBC Moravian Museum, Brno, Czech Republic;
 MNHN Muséum National d'Histoire Naturelle, Paris, France;
 ZIN Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia.

Mycterodus (Aconosimus) goricus (Dlabola, 1958)

(Figs. 1-4)

Conosimus caucasicus Melichar, 1914: 134.

Conosimus goricus Dlabola, 1958: 326, figs. 27-34, **syn. nov.**

Mycterodus (Conosimus) goricus: LOGVINENKO (1974): 833, 840.

Mycterodus (Aconosimus) goricus: DLABOLA (1983): 117-118.

Aconosimus goricus: DLABOLA (1987): 63.

Mycterodus (Aconosimus) goricus: GNEZDILOV (2002): 620.

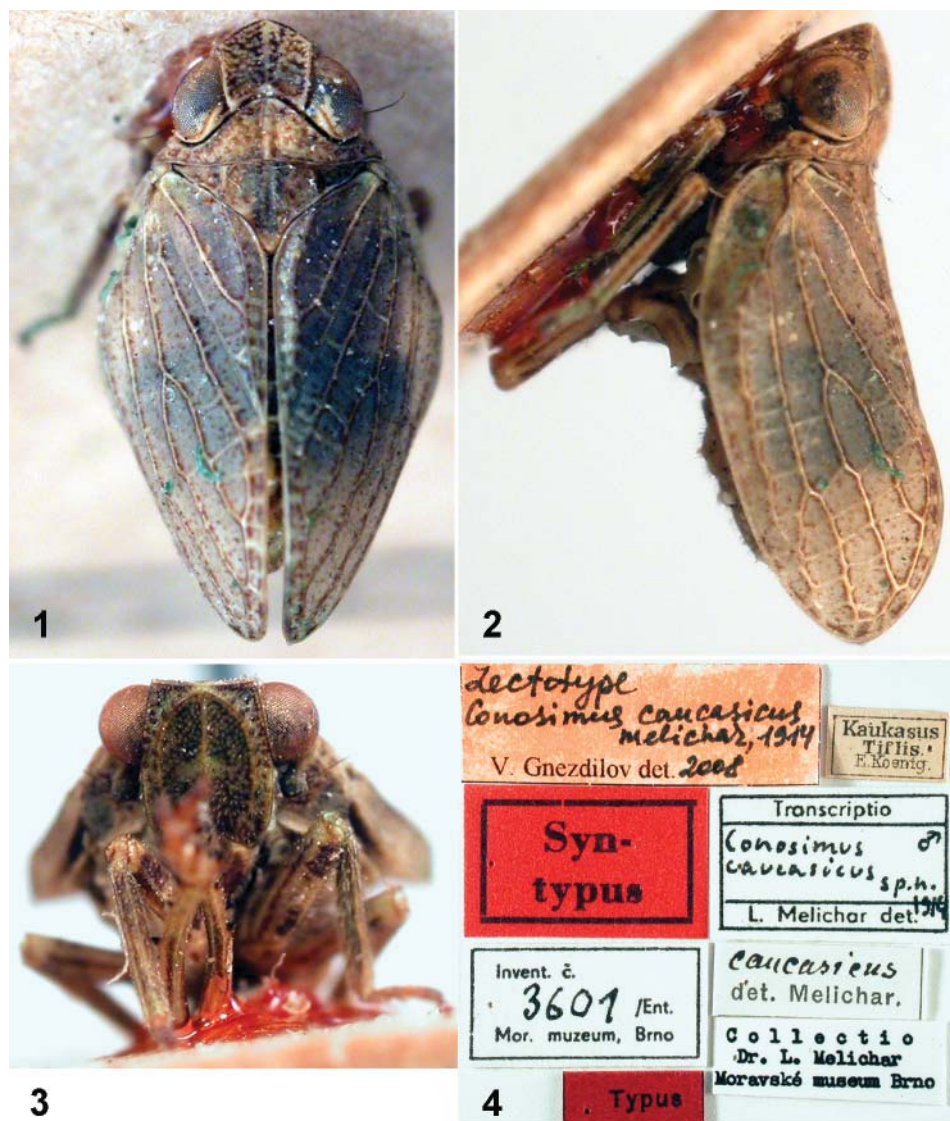
Type material examined. *Conosimus caucasicus*: LECTOTYPE (here designated): ♂, 'Kaukasus, Tiflis, E. Koenig' (MMBC, dry-mounted). PARALECTOTYPE: 1 ♀, same data (MMBC).

Conosimus goricus: HOLOTYPE: ♂, 'Russia m., Gori', vi.[19]57, Dlabola (MNHN, dry-mounted, dissected).

PARATYPES: 1 ♂ 2 ♀♀, 'Russia m., Tbilisi', vi.[19]57, Dlabola (MNHN).

Other material examined. AZERBAIDZHAN: 'Kaukasus, Kr. Aresch, E. Koenig', 1 ♂ (MMBC). GEORGIA: Tiflis [= Tbilisi], 5.vi.[19]12, 1 ♂, 'Mus. Caucas.', '22-12', K. Satunin (MMBC, dissected); Tiflis, 23.v.[19]12, 1 ♀, 'Mus. Caucas.', '65-12', V. Kozlovski (MMBC). TURKEY: ERZURUM PROVINCE: 5 km S Tortum, 9.vi.1997, 1 ♂ 1 ♀, M. G. Volkovich leg. (ZIN); 8 km SW Aşkale, 1900-2000 m a.s.l., 8.vi.1997, 1 ♀, B. A. Korotyayev leg. (ZIN).

Distribution. Georgia, Armenia, Azerbaidzhan, Turkey (MELICHAR 1914, DLABOLA 1958, LOGVINENKO 1974).



Figs. 1-4. Type material of *Conosimus caucasicus* Melichar, 1914: 1 – dorsal view of the lectotype; 2 – lateral view of the lectotype; 3 – frontal view of the paralectotype; 4 – associated labels of the lectotype.

***Mycterodus (Comporodus) caucasicus* (Melichar, 1906)**

Issus caucasicus Melichar, 1906: 186.

Mycterodus caucasicus: EMELJANOV (1971): 622.

Mycterodus (Comporodus) caucasicus: LOGVINENKO (1974): 837, 852.

Comporodus caucasicus: DLABOLA (1997): 305.

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