

## New synonyms and new records in tribe Lebiini Bonelli, 1810 (Coleoptera: Carabidae)

### Новая синонимия и новые указания в трибе Lebiini Bonelli, 1810 (Coleoptera: Carabidae)

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КЛЮЧЕВЫЕ СЛОВА. Coleoptera, Carabidae, Lebiini, новая синонимия, новые указания.

ABSTRACT. *Lebia* (*Glyciolebia*) *arcuata* (Reiche & Saulcy, 1855) = *Lebia* (*Glyciolebia*) *circumducta* Reitter, 1890 **syn.n.**; *Lebia* (s.str.) *syriaca* Pic, 1901 = *Lebia* (*Lebia*) *bagdadensis* Liebke, 1928 **syn.n.** = *Agatus irakensis* Jedlicka, 1963 **syn.n.** Additional faunistic records for this species are provided. *Phloeozetetus mauritanicus* Lucas, 1846 for Spain, and *Phloeozetetus nepalensis* Kirschenhofer, 1994 for India, cited for the first time.

РЕЗЮМЕ. *Lebia* (*Glyciolebia*) *arcuata* (Reiche & Saulcy, 1855) = *Lebia* (*Glyciolebia*) *circumducta* Reitter, 1890 **syn.n.**; *Lebia* (s.str.) *syriaca* Pic, 1901 = *Lebia* (*Lebia*) *bagdadensis* Liebke, 1928 **syn.n.** = *Agatus irakensis* Jedlicka, 1963 **syn.n.** Приведены новые фаунистические данные для этих видов. *Phloeozetetus mauritanicus* Lucas, 1846 для Испании, и *Phloeozetetus nepalensis* Kirschenhofer, 1994 для Индии, указываются впервые.

#### Introduction

A detailed examination of this group was initiated because of the unclear composition of the group and unclear status of the species. Identification of Lebiini species is often very problematic as many species are only known by poor descriptions and rare in collections. During preparation of revision of *Phloeozetetus* Peyron, 1856 and related group of genera, new synonyms was established.

#### Material and methods

Specimens were examined with an Zeiss Discovery V8 Stereo microscope. Habitus images have been captured with a Sony A300 and Canon digital cameras, using CZM or Helicon Focus automontage program for stacking. Final post-processing was done in Adobe Photoshop.

The examined material originates from the following institutions and private collections:

AAC — Alexandre Anichtchenko Collection (Madrid, Spain).

MNHN — National Museum of Natural History in Paris (France).

NMPC — Prague, National Museum of Natural History (Czech Republic).

NHMW — Museum of Natural History of Vienna (Naturhistorisches Museum Wien, Austria).

ZISP — St. Petersburg, Russian Academy of Sciences, Zoological Institute (Russia).

ZSM — Zoologische Staatssammlung München (Germany).

Full size images of Types on the web-page “Carabidae of the World” (<http://www.carabidae.pro>).

#### Results

##### *Lebia* (*Glyciolebia*) *arcuata* (Reiche et Saulcy, 1855) Figs 1–2

= *Lebia* (*Glyciolebia*) *circumducta* Reitter, 1890b: 166 **syn.n.**

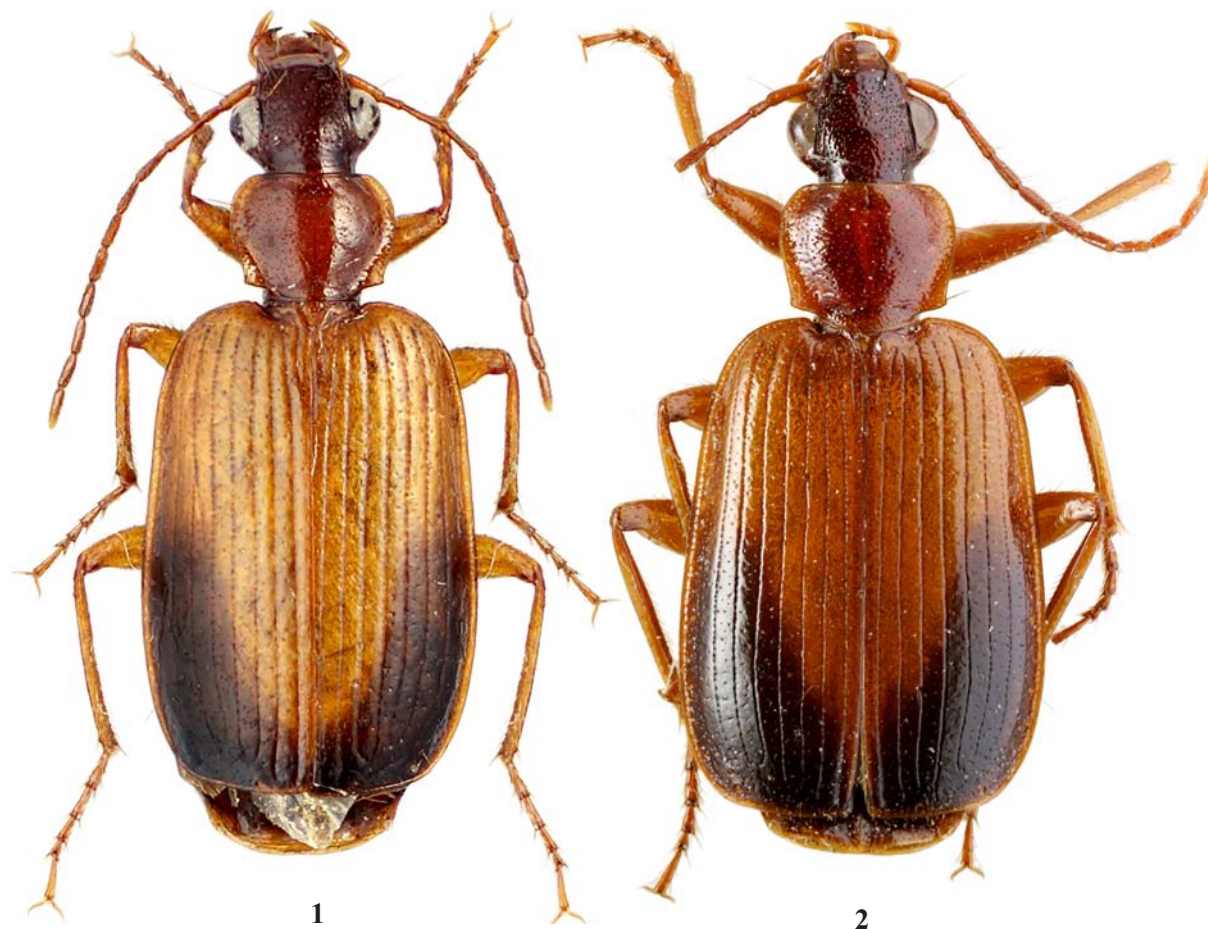
= *Lebia* *kabulensis* Jedlicka, 1956: 201

= *Phloeozetetus arcuata* (Reiche et Saulcy, 1855)

= *Phloeozetetus stuebeli* Heyden, 1892: 22

MATERIAL: 1 ♂ — O Afganistan, Khurd – Kabul, 1900m, s. o. Kabul, 19.VI.1969 leg. Vartian; 1 ♂ — Sultanabad, Th. Strauss (NHMW); 1 ♀ — Oman bor., Prov. Batinah, Al-Jabal al-Ahdar mts., SE Rustaq, W Awabi, 430 m, Wadi Bani Awi, 23°20'0,13''N 57°29'23,5''E, L. fang + L. fallen, 29–30.XII.2009 leg. Lehmann, Bittner & Stadie (AAC); 1 ♀ — determined as *Glycia circumducta*; Persien, Luristan, v. Bodemeyer (in coll. Pic, MNHN).

COMMENTS. The Type of *Glycia circumducta*, specimens from env. Naplouse was looked for, but not found in the collections of the (MNHN). Since original description this taxon was placed in numerous occasions in different genus. So M. Chaudoir [1871: 113] attribute this species to genus *Singilis* Rambur, 1837, Joaquin Mateu [1986: 200] mentioned this species as *Lebia* Latreille, 1802. In the Catalogue of Palaearctic Coleoptera [Löbl & Smetana, 2003] the species *L. (G.) arcuata* Reiche, 1855 deposited by I. Kabak [2003: 438] in genus *Phloeozetetus* Peyron, 1856. Since they



Figs 1–2. *Lebia (Glycioblebia) arcuata* (Reiche et Saulcy, 1855): 1 — specimen from Oman; 2 — specimen from Afghanistan.  
Рис. 1–2. *Lebia (Glycioblebia) arcuata* (Reiche et Saulcy, 1855): 1 — экземпляр из Омана; 2 — экземпляр из Афганистана.

are in agreement with the details indicated in the original description and studied material, *L. circumducta* is here synonymised with *L. arcuata*.

DISTRIBUTION: Afganistan, Armenie, Palestine, Egypt, Iran, Israel, Lebanon, Oman, Syria, Turkey, Turkmenistan.

#### ***Lebia* (s.str.) *syriaca* Pic, 1901**

Figs 3–4

= *Lebia* (s.str.) *bagdadensis* Liebke, 1928: 129 **syn.nov.**

= *Lebia atriceps* Pic, 1922: 29 [nec LeConte, 1863]

= *Agatus irakensis* Jedlička, 1963a: 5 **syn.nov.**

MATERIAL: *Lebia syriaca* — “syriaca Pic”, “Type”, red label: “Type”, white label: “Chasse nocturne, 1904”, “Damas”; *Lebia atriceps* Pic, “Bagdad, nocturne, 1904”; 1 ♂ — “Bagdad” (MNHN); *Agatus irakensis* — ♀, red label: “*Agatus irakensis* sp.n. det. Ing. Jedlička”, red label: “Holotype”, two white labels: “Irak centr., Pr. Baghdad” and “Abu-Ghraib, 9.3.1958, R. Remane” (ZSM); 1 ♀ — Umg. Bagdad, Irak, VI.1932, Vanderjst leg. (NHMW).

COMMENTS. An examination of the holotype of *Agatus irakensis* Jedlička, 1963 (Fig. 3) revealed no characters outside the range of intraspecific variation of *L.* (s.str.) *syriaca* Pic, 1901 (Fig. 4). The holotype of *Lebia atriceps* Pic, 1922 is clearly conspecific with the type of *L.* (s.str.) *syriaca* Pic, 1901. Both of them are conspecific with *Lebia* (*Lebia*) *bagdadensis* Liebke, 1928, so that this three names is here placed in the synonymy of *syriaca* by his priority.

DISTRIBUTION: Iraq, Syrie.

#### ***Phloeozeteus mauritanicus* Lucas, 1846**

MATERIAL: 1 ♂ — Algiru, coll. Glazunova (ZISP); 1 ♂, 1 ♀ — Tanger, 12.1895, Collect. Hauser (NHMW); 1 ♂ — Hispania; 1 ♂ — Maroc; 1 ♀ — Aim Draham, Tunis, B. v. Bodemeyer (NMPC).

COMMENTS. Type: Oran. Species recorded here from Spain for the first time.

DISTRIBUTION. Morocco, Algeria, Spain, Tunisia.

#### ***Phloeozeteus nepalensis* Kirschenhofer, 1994**

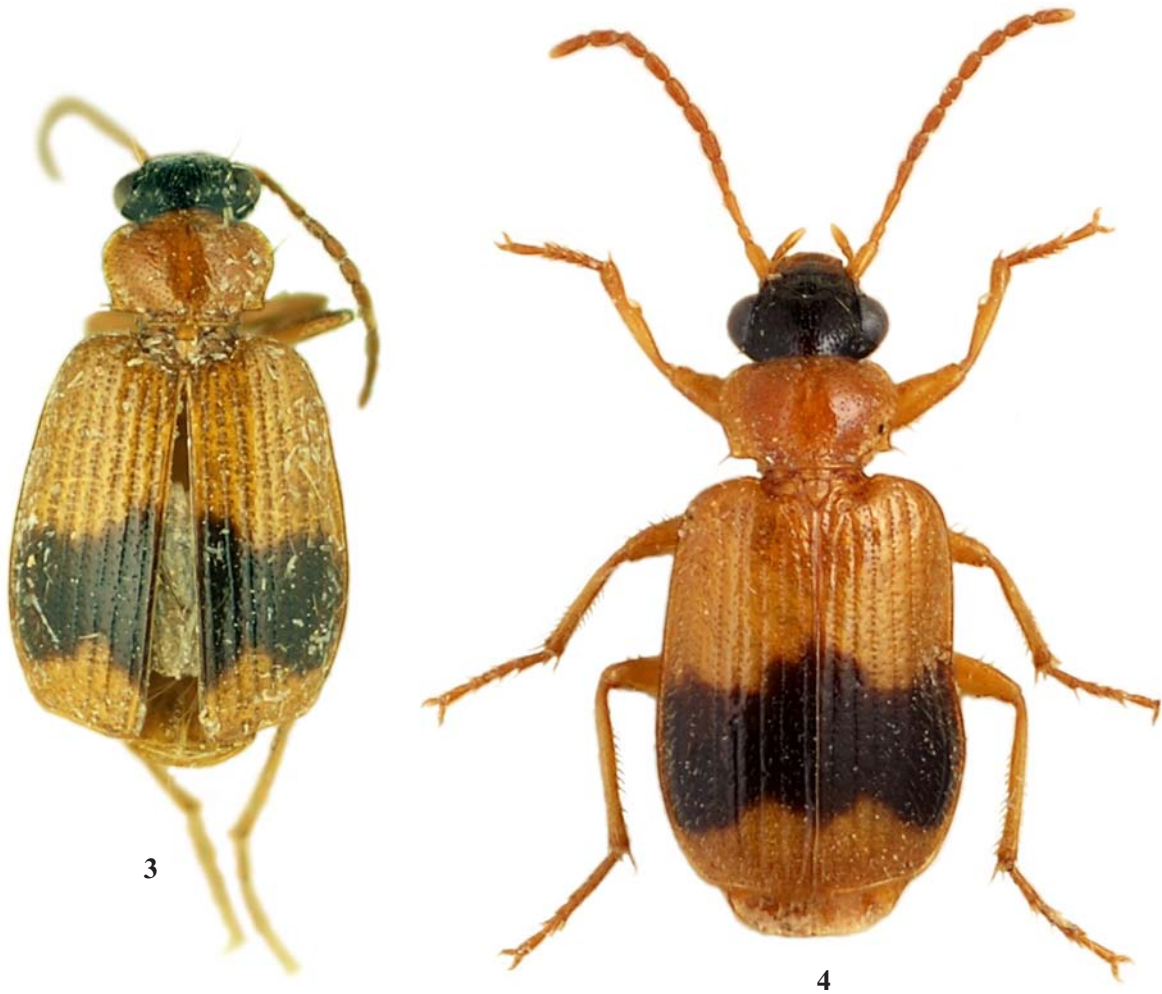
MATERIAL: HOLOTYPE: ♂, Westl. Nepal, Umgeb. Pinthan, 1967, leg. P. König (NHMW); 1 ♀ — Po-o, S.W. Thibet (?= Poo, Kinnaur distr., Himachal Pradesh, India) (NMPC).

COMMENTS: till the now this species was known only by single type specimen, and recorded here from India for the first time.

DISTRIBUTION: Nepal, India.

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Figs 3–4. *Lebia* (s.str.) *syriaca* Pic, 1901: 3 — type of *Lebia syriaca*; 4 — holotype of *Agatus irakensis* Jedlička.  
 Рис. 3–4. *Lebia* (s.str.) *syriaca* Pic, 1901: 3 — тип *Lebia syriaca*; 4 — голотип *Agatus irakensis* Jedlička.

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