

## TYPES OF SPECIES FROM THE FAMILY BELIDAE (COLEOPTERA) DESCRIBED BY E. F. GERMAR

A.A. Legalov<sup>1</sup> and K. Schneider<sup>2</sup>

[Легалов А. А., Шнейдер К. Типы видов семейства Belidae (Coleoptera), описанных Э. Ф. Гермаром]

<sup>1</sup>Institute of Animal Systematics and Ecology, Siberian Zoological Museum, Frunze street, 11, 630091, Novosibirsk, Russia. E-mail: legalov@ngs.ru<sup>1</sup>Институт систематики и экологии животных СО РАН, Сибирский зоологический музей, Фрунзе, 11, 630091, Новосибирск, Россия. E-mail: legalov@ngs.ru<sup>2</sup>Institut für Biologie/Zoologie der Martin-Luther-Universität Halle-Wittenberg, Domplatz 4, D-06099 Halle (Saale) Germany. E-mail: karla.schneider@zoologie.uni-halle.de<sup>2</sup>Институт биологии/зоологии Мартин Лютер университета Халле-Виттенберг, Домплатц 4, D-06099 Халле (Саале) Германия. E-mail: karla.schneider@zoologie.uni-halle.de**Key words:** Coleoptera, Belidae, E. F. Germar, lectotypes**Ключевые слова:** Coleoptera, Belidae, Э. Ф. Гермар, лектотипы**Summary.** The authors studied the types of 8 species described by E. F. Germar. In the present paper the lectotypes for *Belus filiformis* Germar, 1848, *B. fumigatus* Germar, 1848, *B. angustulus* Germar, 1848, *B. scalaris* Germar, 1848, *B. hemistictus* Germar, 1848, *B. phonicopterus* Germar, 1848, *B. sparsus* Germar, 1848 and *Rhinotia lyciformis* Germar, 1833 are designated.**Резюме.** Авторами изучены типы 8 видов, описанных Э. Ф. Гермаром. Выделены лектотипы для *Belus filiformis* Germar, 1848, *B. fumigatus* Germar, 1848, *B. angustulus* Germar, 1848, *B. scalaris* Germar, 1848, *B. hemistictus* Germar, 1848, *B. phonicopterus* Germar, 1848, *B. sparsus* Germar, 1848 и *Rhinotia lyciformis* Germar, 1833.

## INTRODUCTION

E. F. Germar described 8 species of Belidae [Germar, 1833, 1848]: *Belus filiformis* Germar, 1848, *B. fumigatus* Germar, 1848, *B. angustulus* Germar, 1848, *B. scalaris* Germar, 1848, *B. hemistictus* Germar, 1848, *B. phonicopterus* Germar, 1848, *B. sparsus* Germar, 1848 and *Rhinotia lyciformis* Germar, 1833. Two of them have been shown as synonyms: *Belus fumigatus* Germar, 1848 being junior synonym of *Isacantha dermestlventris* (Boisduval, 1835) [Lea, 1908] and *Belus phonicopterus* Germar, 1848 – junior synonym of *Orthorhynchoides suturalis* (Macleay, 1826) [Legalov, 2003]. The authors have studied the type materials which are kept in the collection of the Martin-Luther-University, Institut of Zoology, Germany, Halle. The results are presented below. The order of taxa is based on Legalov's system [Legalov, 2009].

## RESULTS

**Family Belidae Schoenherr, 1826**  
**Subfamily Belinae Schoenherr, 1826**  
**Supertribe Belitae Schoenherr, 1826**  
**Tribe Belini Schoenherr, 1826**  
**Subtribe Belina Schoenherr, 1826**  
**Genus *Araiobelus* Zimmerman, 1994**

*Araiobelus filiformis* (Germar, 1848) (col. pl. X: a; XI: a)  
*Belus filiformis* Germar, 1848: 207

**Remarks.** The lectotype is designated by the authors – a male with labels “*filliformis* Grm. Adelaid. Grm.” and “Lectotype *Belus filiformis* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: New South Wales, Victoria, South Australia.

Genus *Isacantha* Hope, 1833

*Isacantha dermestlventris* (Boisduval, 1835) (col. pl. X: b; XI: b)

*Rhinotia dermestlventris* Boisduval, 1835: 301

*Belus fumigatus* Germar, 1848: 208

**Remarks.** For *Belus fumigatus* Germar, 1848 the lectotype is designated by the authors – a female with labels “*fumigatus* Grm. Adelaid. Grm.” and “Lectotype *Belus fumigatus* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: Queensland, New South Wales, Victoria, South Australia, Tasmania.

**Genus *Orthorhynchus* Kirby, 1819**  
**Subgenus *Pararhinotia* Legalov, 2007**

*Orthorhynchus (Pararhinotia) angustulus* (Germar, 1848) (col. pl. X: c; XI: c)

*Belus angustulus* Germar, 1848: 206

**Remarks.** The lectotype is designated by the authors – a male with labels “*angustulus* Grm. Adelaid. Grm.” and “Lectotype *Belus angustulus* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: South Australia.

*Orthorhynchus (Pararhinotia) scalaris* (Germar, 1848) (col. pl. X: d; XI: d)

*Belus scalaris* Germar, 1848: 205

**Remarks.** The lectotype is designated by the authors – a male with labels “*scalaris* Grm. Adelaid. Grm.” and “Lectotype *Belus scalaris* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: Queensland, South Australia, Western Australia.

**Genus *Orthorhynchoides* Legalov, 2007**  
**Subgenus *Orthorhynchoides* s. str.**

***Orthorhynchoides (Orthorhynchoides) hemistictus***  
(Germar, 1848) (col. pl. X: e; XI: e)

*Belus hemistictus* Germar, 1848: 204

**Remarks.** The lectotype is designated by the authors – a male with labels “*hemistictus* Grm. Adelaïd. Grm.”, “Delected as Lectotype, J. Balfour-Browne des. IV. 1952” and “Lectotype *Belus hemistictus* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: New South Wales, South Australia, Western Australia.

***Orthorhynchoides (Orthorhynchoides) suturalis***  
(Macleay, 1826) (col. pl. X: f; XI: f)

*Orthorhynchus suturalis* Macleay, 1826: 446

*Belus phonicopterus* Germar, 1848: 207

**Remarks.** The lectotype is designated by the authors – a female with labels “*phonicopterus* Grm. Adelaïd. Grm.” and “Lectotype *Belus phonicopterus* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: New South Wales, Victoria, South Australia, Western Australia.

**Genus *Stenobelus* Zimmerman, 1999**  
**Subgenus *Germaribelus* Legalov, 2009**

***Stenobelus (Germaribelus) sparsus*** (Germar, 1848) (col. pl. X: g; XI: g)

*Belus sparsus* Germar, 1848: 206

**Remarks.** The lectotype is designated by the authors – a male with labels “*sparsus* Grm. Adelaïd. Grm.” and “Lectotype *Belus sparsus* Germar, 1848, A. Legalov et K. Schneider design. 2009”.

**Distribution.** Australia: Queensland, New South Wales, Victoria, South Australia.

**Subtribe *Homalocerina* Legalov, 2009**  
**Genus *Homalocerus* Schoenherr, 1839**

***Homalocerus lyciformis*** (Germar, 1833) (col. pl. X: h; XI: h)

*Rhinotia lyciformis* Germar, 1833: 244

**Remarks.** The lectotype is designated by the authors – a

female with labels “*lyciformis* Schonh. Bras. Bsk.” and “Lectotype *Rhinotia lyciformis* Germar, 1833, A. Legalov et K. Schneider design. 2009”.

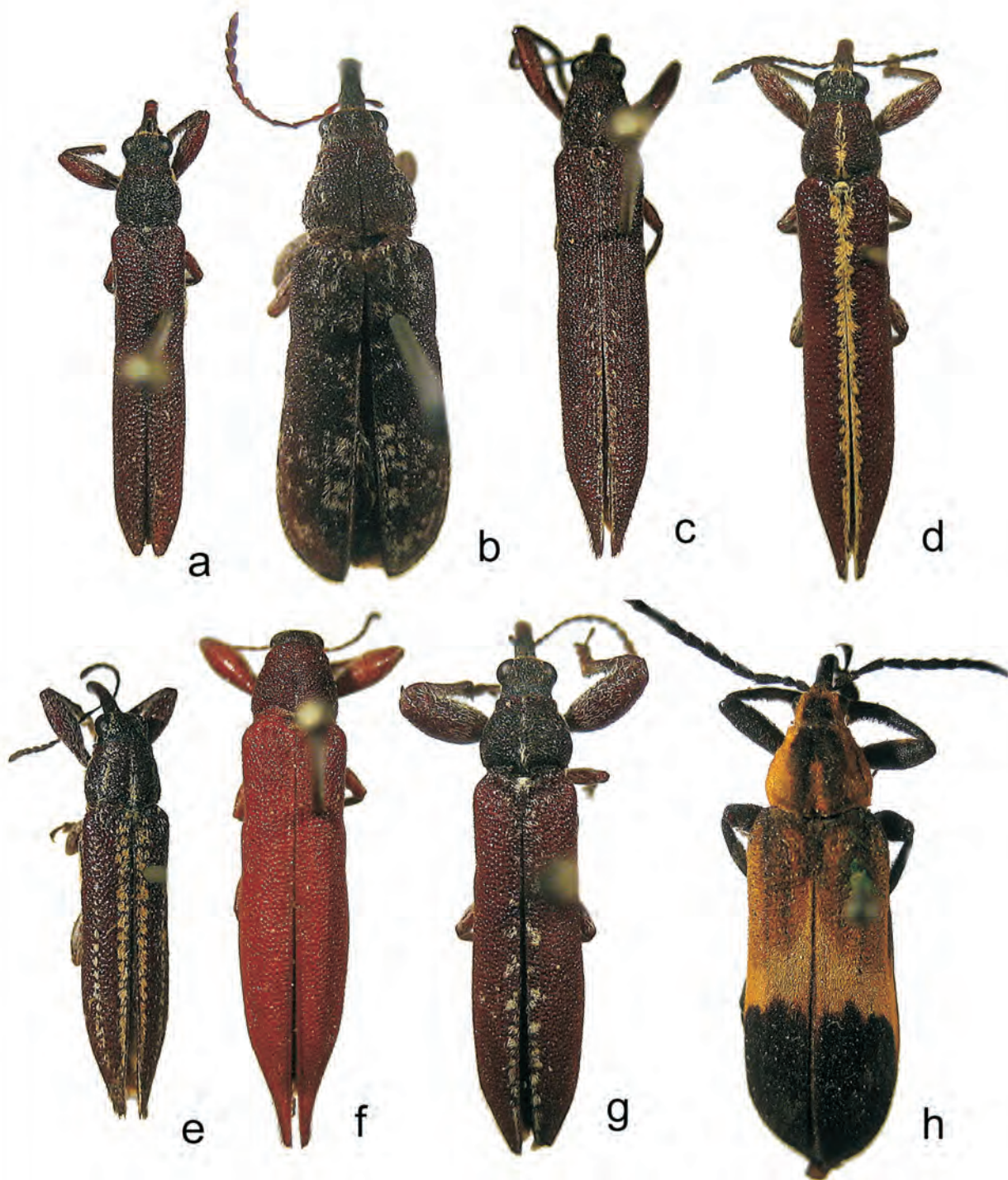
**Distribution.** Argentina, Brazil, Paraguay.

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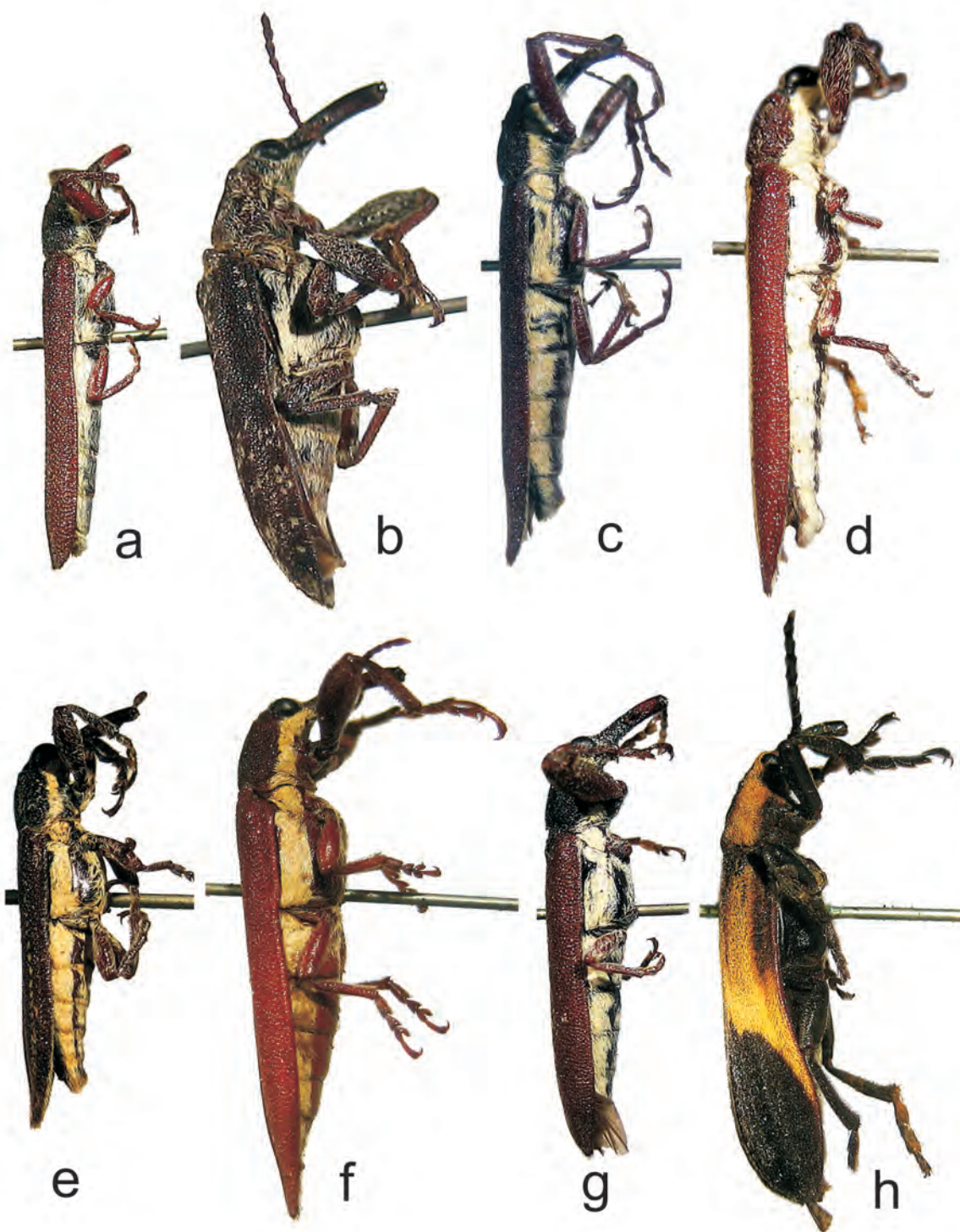
**REFERENCES**

- Boisduval J. B. A. D. 1835. Voyage de découvertes de l'Astrolabe exécuté par ordre du Roi, pendant les années 1826-1827-1828-1829, sous les commandement de M. J. Dumont d'Urville. Faune entomologique de l'Océan Pacifique, avec l'illustration des insectes nouveaux recueillis pendant le voyage. Deuxième partie. Coléoptères et autres ordres. Paris: J. Tastu. P. i-vii, 1-716.
- Germar E. F. In: Schoenherr C. J. 1833. Genera et species curculionidum, cum synonymia hujus familiae, species novae aut hactenus minus cognitae, descriptionibus a Dom. Leonardo Gyllenhal, C. H. Boheman et entomologis aliis illustratae. T. 1. Paris. I-XV + 681 pp.
- Germar E. F. 1848. Beiträge zur Insektenfauna von Adelaide // *Linnaea Entomologica*. Bd. 3. S. 153-247.
- Macleay W. 1826. Catalogue of Insects, collected by Captain King, R. N. P. 438-469. In: King P. P. Narrative of a survey of the intertropical and western coast of Australia. London. Vol. 2. 637 pp.
- Lea A. M. 1908. Descriptions of Australian Curculionidae, with notes on previously described species // *Transactions of the Royal Society of South Australia*. Vol. 32. P. 203-251.
- Legalov A. A. 2002 (2003). New synonym in the genus *Rhinotia* Kirby (Coleoptera: Curculionoidea, Belidae) // *Eurasian Entomological Journal*. Vol. 1. № 2. P. 218. [in Russian].
- Legalov A. A. 2009. Annotated checklist of recent and fossil species of the family Belidae (Coleoptera) from the world fauna // *Amurian zoological journal*. Vol. 1. № 4. P. 296-324.



Lectotypes of Belidae (dorsal view): a—*Belus filiformis*, b—*B. fumigatus*, c—*B. angustulus*, d—*B. scalaris*, e—*B. hemistictus*, f—*B. phonicopterus*, g—*B. sparsus*, h—*Rhinotia lyciformis*.

Лектотипы Belidae (вид сверху): а—*Belus filiformis*, б—*B. fumigatus*, с—*B. angustulus*, д—*B. scalaris*, е—*B. hemistictus*, ф—*B. phonicopterus*, г—*B. sparsus*, h—*Rhinotia lyciformis*.



Lectotypes of Belidae (lateral view): a – *Belus filiformis*, b – *B. fumigatus*, c – *B. angustulus*, d – *B. scalaris*, e – *B. hemistictus*, f – *B. phonicopterus*, g – *B. sparsus*, h – *Rhinotia lyciformis*.

Лекто типы Belidae (вид сбоку): a – *Belus filiformis*, b – *B. fumigatus*, c – *B. angustulus*, d – *B. scalaris*, e – *B. hemistictus*, f – *B. phonicopterus*, g – *B. sparsus*, h – *Rhinotia lyciformis*.