



<http://dx.doi.org/10.11646/zootaxa.3734.4.8>

<http://zoobank.org/urn:lsid:zoobank.org:pub:E762715E-3CDF-4543-A92A-EECA7F26230C>

### ***Alairhynchus*, a new name for the genus *Gigantorhynchus* Sapelnikov & Malygina 1977 (Brachiopoda: Camarotoechioidea) preoccupied by *Gigantorhynchus* Hamann 1892 (Vermes: Acanthocephala)**

ALEXANDER B. DOWELD

National Institute of Carpology (Gaertnerian Institution), 21 Konenkova Street, RUS-127560, Moscow, Russian Federation.

E-mail: nicar-sekretariat@yandex.ru

The genus *Gigantorhynchus* (type species = *G. dubius* Sapelnikov & Malygina, 1977, by original designation) was established by Sapelnikov & Malygina (1977: 62) for a distinctive fossil brachiopod from Eastern Alai (Southern Tien Shan, Kyrgyzstan) which subsequently served as type of a subfamily (*Gigantorhynchinae* Savage 1996). However, the name *Gigantorhynchus* was preoccupied by a living worm genus published by Hamann (1892: 196) (Vermes: Acanthocephala: *Gigantorhynchida*: *Gigantorhynchidae* Hamann 1892). The worm *Gigantorhynchus* is well recognized in modern zoology, serving as type of a distinct order and family (*Gigantorhynchida* and *Gigantorhynchidae* Hamann 1892, respectively).

In accordance with Article 60 of the International Code of Zoological Nomenclature, the new name *Alairhynchus* is here proposed as a replacement name for *Gigantorhynchus* Sapelnikov & Malygina 1977 as well as the new subfamily name *Alairhynchinae* *nom. nov.* to replace the invalid later homonym *Gigantorhynchinae* Savage 1996 (non *Gigantorhynchidae* Hamann 1892).

#### Systematics

##### Phylum Brachiopoda Duméril 1806

##### Order Rhynchonellida Kuhn 1949

##### Superfamily Camarotoechioidea Schuchert 1929

##### Family Leiorhynchidae Stainbrook 1945

Subfamily *Alairhynchinae* *nom. nov.* ( $\equiv$  *Gigantorhynchinae* Savage 1996: 254)

Genus *Alairhynchus* *nom. nov.* ( $\equiv$  *Gigantorhynchus* Sapelnikov & Malygina, 1977 *non* Hamann 1892)

**Type species.** *Gigantorhynchus dubius* Sapelnikov & Malygina, 1977  $\equiv$  *Alairhynchus dubius* (Sapelnikov & Malygina) Doweld, *comb. nov.*

**Diagnosis.** See Sapelnikov & Malygina (1977: 62) and Savage (2002: 1149).

**Stratigraphic range.** Middle Devonian (Givetian = Musbelian suite).

**Type locality.** Archabulak river, Koxu (Eastern) River basin, Archal-tur ridge, Eastern Alai (Southern Tien Shan, Kyrgyzstan).

**Etymology.** From the Alai Mountains of Pamir-Alai Mountain system in Central Asia (Kyrgyzstan and Tajikistan).

**Holotype:** CGM 1/11292 (figured in Sapelnikov & Malygina, pl. 1, figs 1–2; pl. 2, figs 1–2; pl. 3, figs 1–4; pl. 4, figs 1–3).

## Acknowledgements

The author gratefully acknowledges the valuable comments and critical suggestions of Miguel O. Manceñido and an anonymous reviewer.

## References

- Hamann, O. (1892) Das System der Acanthocephalen. *Zoologischer Anzeiger*, 15, 195–197.  
<http://biodiversitylibrary.org/page/9744404>
- ICZN (International Commission on Zoological Nomenclature) (1999) *International Code on Zoological Nomenclature, 4th edition*. The International Trust for Zoological Nomenclature. London, xxix + 306 pp.
- Sapel'nikov, V.P. & Malygina, A.A. [Сапельников, В.П., Малыгина, А.А.] (1977) Новый род девонских ринхонеллид Южного Тянь-Шаня [A new genus of the Devonian rhynchonellids from Southern Tien Shan]. *Trudy Instituta Geologii i Geokhimii Ural'skogo Nauchnogo Centra Akademii Nauk SSSR*, 129, 60–73. [in Russian]
- Savage, N.M. (1996) Classification of Paleozoic rhynchonellid brachiopods. In: Copper, P. & Jin, J. (Eds.), *Brachiopods*. A. A. Balkema. Rotterdam, pp. 249–260
- Savage, N.M. (2002) Camarotoechioidea. In: Kaesler, R. (Ed.), *Treatise on Invertebrate Paleontology, Part H (Revised), Vol. 4. Brachiopoda, Rhynchonelliformea* (part). Geological Society of America & University of Kansas, Boulder (Colorado) & Lawrence (Kansas), pp. 1132–1164
- Schuchert, C. (1929) Classification of brachiopod genera, fossils and recent. In: Schuchert, C. & LeVene, C.M. (Eds.), *Brachiopoda (Generum et Genotyporum Index et Bibliographia). Fossilium Catalogus I, Animalia*. Fasc. 42. W. Junk, Berlin, pp. 10–25
- Stainbrook, M.A. (1945) Brachiopoda of the Independence Shale of Iowa. *Geological Society of America Memoir*, 14, 1–74.  
<http://dx.doi.org/10.1130/mem14-p1>